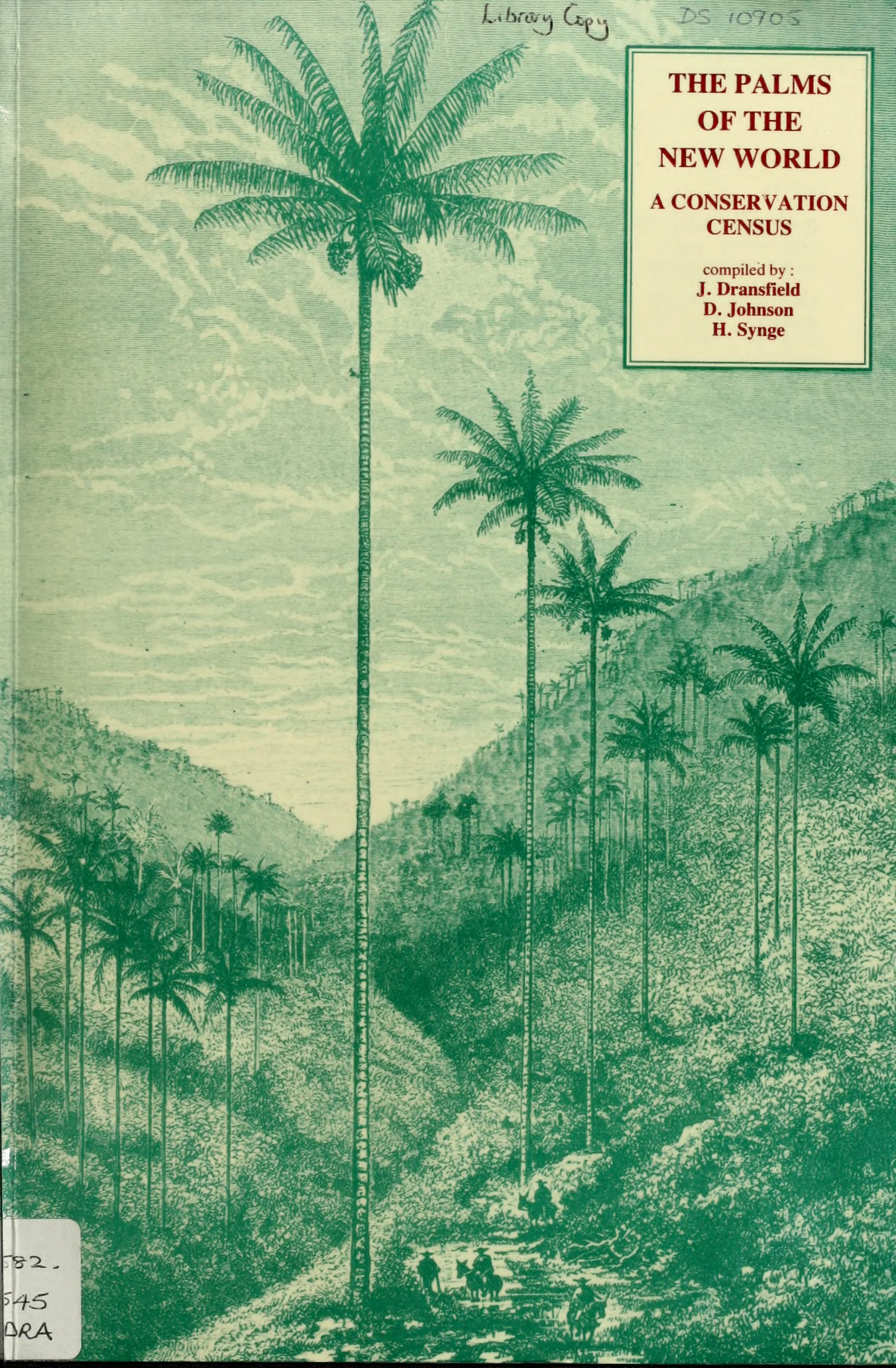


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**THE PALMS
OF THE
NEW WORLD
A CONSERVATION
CENSUS**

compiled by :
**J. Dransfield
D. Johnson
H. Synge**



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IUCN

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Cover: *Ceroxylon quindiuense* from the Quindio Pass in Colombia, a palm now threatened by widespread forest destruction. Drawing by Edouard André in *Le Tour du Monde* (1878). Cover design by J C V Heywood.

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THE PALMS OF THE NEW WORLD

A CONSERVATION CENSUS

Compiled by:

J. Dransfield, D. Johnson and H. Synge

John Dransfield is the Principal Scientific Officer in charge of palms at the Herbarium, Royal Botanic Gardens, Kew, and is the co-author of *Genera Palmarum*. He is also the present chairman of the Palm Specialist Group of the IUCN Species Survival Commission.

Dennis Johnson is a geographer and economic botanist based in Washington and a specialist in Latin American palms. He is presently Deputy Chairman of the Palm Specialist Group.

Hugh Synge is a freelance plant conservationist who was formerly Head of the Threatened Plants Unit of IUCN and is presently working for WWF as their Plants Programme Consultant.

FOREWORD

It gives me great satisfaction to introduce this conservation census of the palms of the New World. The palm family is one of major scientific and horticultural importance and provides a wide array of economically important products. It is one of the richest sources of under-exploited species and the focus of considerable research. Yet palms tend to be neglected in conservation and forest management plans, partly due to ignorance or lack of knowledge. It is to be hoped that this publication will help to redress the balance, at least for the New World species, and focus attention in conservation circles on this unique group of plants.

This is the first published list for a family, or part of one, issued by TPU, and complements the regional threatened plant lists on which TPU established its reputation. Its compilation has been a very time-consuming task, and might seem hard to justify on purely conservation grounds, as it identifies only 278 threatened taxa out of 1102 taxa overall. The census may be more useful as a catalogue of the diversity of palms in the New World, than as a guide to the urgent rescue action of endangered species. On the other hand, whole populations of individual species are being eliminated by forest clearance before we are able to work out the total genetic variation of these species, such is the level of our ignorance.

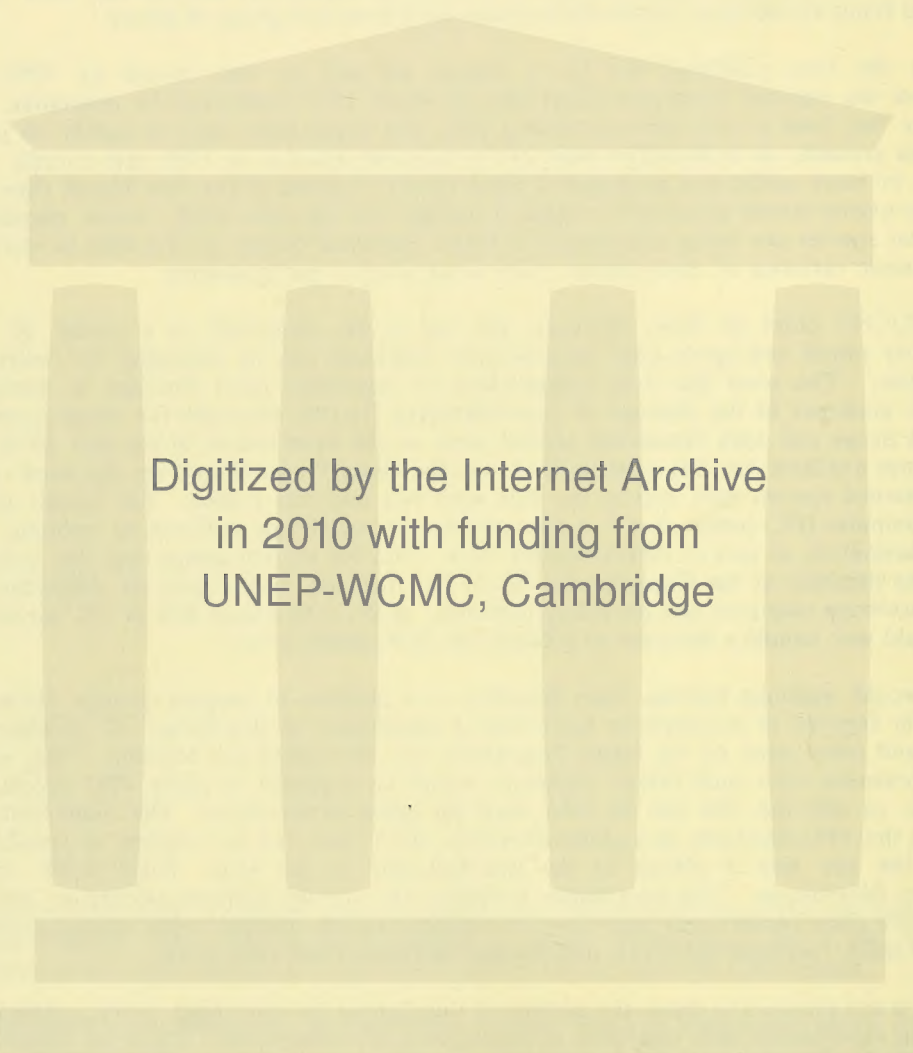
From IUCN's point of view, however, the list is also important as a model of how taxonomically sound and up-to-date computerised checklists can be compiled for individual plant families. The need for such compilations of important plant families is becoming increasingly apparent in the absence of comprehensive floristic accounts for many countries. When Hugh Synge and John Dransfield started work on the palm census in the mid 1970s, the only computer available for this work at Kew was the Wang VS purchased for the work of the IUCN threatened species staff and so the data were fed into this system. The advent of the Personal Computer (PC) means that it is now possible for individual botanists to compile such databases themselves, as part of their everyday work. This has the advantage that the specialist can have the database at the fingertips for his or her own use, rather than be dependent on TPU for answering enquiries and providing printouts. A PC with a hard disk of 20 megabytes or more could well handle a database on a family of 2000 species or so.

IUCN would welcome hearing from botanists in a position to prepare family checklists, especially for families of economic or horticultural importance, so that forms of collaboration with TPU and other parts of the Plants Programme can be worked out together. We would hope that botanists with such family databases would be prepared to allow TPU access, say once a year, so that the data can be fully used for plant conservation. The importance of maintaining the TPU database, as a global overview, up to date and as complete as possible, is shown by the key role it played in the establishment of the Joint IUCN-WWF Plants Conservation Programme. This programme combines the various elements needed to make a comprehensive plant conservation plan and information system, together with logistic support, institutional links, specialist networks, methodological support and field work.

Finally, it is a pleasure to thank the authors of this Census for their hard work, enthusiasm and specialist skills which have combined to produce this excellent work. It is to be hoped that it will serve as a model and stimulus for similar enterprises.

December 1987

Professor Vernon Heywood
Head of Plant Conservation
IUCN



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INTRODUCTION

Work on this census of palms started in the mid 1970s, when two of the authors, J. Dransfield and H. Synge, started to assemble data on individual palm species under threat, as a contribution to the emerging IUCN datafile on threatened plants of the world. This work was greatly stimulated by H.E. Moore's masterly paper (1977) on endangerment in palms. It soon became clear that a full checklist of the family was needed to evaluate the conservation needs of individual species and to assign priorities for conservation action.

After initial work on lists of palms for S.E. Asian countries, staff working for IUCN's Threatened Plants Committee Secretariat made a card index of all the palms in S.F. Glassman's "A Revision of B.E. Dahlgren's Index of American Palms". This was put onto the IUCN computer. Lists were then printed out of all the palms in each country and circulated for comment. In particular, recipients were asked to assign IUCN conservation categories (the Red Data Book categories) to individual species where they had field knowledge of present wild status in the wild. Many categories were assigned by H.E. Moore, in March 1980, and since then contributions have been made by E. Pingitore (Argentina), A. Borhidi (for Cuba) and R.W. Read (for the Caribbean), among others.

The results were incorporated into the IUCN database and made available as required. Since 1983 this database has been the responsibility of the IUCN Threatened Plants Unit, a part of the IUCN Conservation Monitoring Centre and since 1987 a component of the Joint IUCN-WWF Plants Conservation Programme.

As part of the Plants Programme, in 1985 WWF-US funded a one-year project on the status of palms in the Americas, entitled "Economic Botany and Threatened Species of the Palm Family in Latin America and the Caribbean" (WWF 3322). It was carried out by Dr Dennis V. Johnson, in collaboration with Dr Robert W. Read and Dr Michael J. Balick. It had two main objectives: a) To assess the current utilization of wild, semi-managed and cultivated native palms in Latin America and the Caribbean; and b) To conduct research on the *in situ* and *ex situ* conservation status of the palms of the same region. The results of the first part are outlined in the next chapter and the results of the second are summarised below.

To assess the present conservation status of threatened palms in the region was a large undertaking, since nearly half of the estimated 2700 palm species of the world are native to the American tropics. It would have been impossible in the time available to examine every palm that had been assigned a threatened category in the TPU database, let alone every species in the region.

It was decided to limit the project to those palms that had been recorded as Extinct or Endangered on a world basis. The final report contained details on 46 Endangered palms and 2 Extinct palms, and added a further five species as Endangered. The full report of the project was prepared by D. Johnson in September 1986 and its results incorporated into the TPU database in early 1987. The report also included a very useful list of the palms of the Dominican Republic and Haiti (by T.A. Zanoni), and a preliminary checklist of Ecuadorian palms (by H. Balslev), which added many new records, as well as contributions on the palms of Mexico (H.J. Quero), Caribbean and Central America (R.W. Read), Colombia (R.G. Bernal) and Bolivia (S.G. Beck).

As part of the general work of the Threatened Plants Unit, the authors have also screened the relatively few threatened plant lists for the region, such as that of Vovides (1981) for Mexico. A number of categories were also assigned as part of IUCN's project to compile a threatened plant list for Middle America (Mexico to Panama), being carried out by Jane Lamlein Villa-Lobos at the Plant Conservation Unit, Department of Botany, Smithsonian Institution. D. Johnson negotiated agreement on the conservation and taxonomic status of the

U.S.A. palms, with The Nature Conservancy, the U.S. Fish and Wildlife Service and the Center for Plant Conservation (Boston); these three bodies all have substantive databases on North American threatened plants. In 1986-7, also, Dr A. Borhidi kindly assigned categories for all the Cuban palms, following his threatened plant list for the island (with O. Muniz, 1983) and his taxonomic checklist of the Cuban palms (Muniz and Borhidi, 1982).

Wherever possible, the authors have followed recent revisions of genera, e.g. Read (1975) on *Thrinax*, and Quero and Read (1986) on *Gaussia*. In late 1987, H. Synge made a final screening of the recently completed "Index Kewensis" from 1975 to 1986 to check for any new names. J. Dransfield refined the taxonomy, bringing the genera on the list into line with *Genera Palmarum* (Uhl and Dransfield, 1987). The list was then printed out from the TPU database on 4 January 1988.

Regretfully, a full record was not maintained of all the works screened and consulted, but all those that provided new names or new area records, within the constraints of the TPU data-sourcing system, are listed as data sources at the end of the list.

In conclusion, we would like to acknowledge the extent to which the task of compiling this census has been eased by the use of S.F. Glassman's "A Revision of B.E. Dahlgren's Index of American Palms" (Glassman, 1972). This provided a much valued starting point, from which the "Index Kewensis" and the "Kew Record of Taxonomic Literature" could be used as a source of additional names and references. From these works, we were able to build up a preliminary census which could then be refined, taxonomically, nomenclaturally and geographically. We are nevertheless well aware that many taxa on our list are in need of critical taxonomic reappraisal. In some instances, e.g. *Acrocomia* and *Iriarte*, critical taxonomic studies by other workers have progressed far enough for us to know that there are too many names in the census, but insufficiently far for us to be able to make use of their conclusions. Nevertheless, by means of the database, the list can be kept permanently up-to-date.

We would, therefore, cordially invite our colleagues in palm botany to let us know of any changes that should be made and perhaps to spare us reprints of papers on the taxonomy, distribution and conservation status of New World palms. In return, the TPU will be happy to consider making printouts available to *bona-fide* field workers and conservationists, either for an individual genus or for a country in the region. For details, please write to the Threatened Plants Unit, 53 The Green, Kew, Richmond, Surrey TW9 3AA, U.K., or to Dr J. Dransfield, The Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, U.K.

ECONOMIC BOTANY OF NEW WORLD PALMS

Palm utilization represented one of the two major foci of the WWF-US project on the status of palms in the Americas. An unexpected side-effect of the rapid forest clearing taking place throughout the New World tropics is the impact on local inhabitants who rely upon forests for palm products, among a considerable number of others. The investigation set out to document, through published accounts, personal knowledge and rapid field surveys, the extent to which such local populations - indigenous or not - exploited wild stands of palms for their own subsistence needs, as well as for commercial products such as oilseeds, fiber, fruit and palm hearts.

A major task in this undertaking was to ascertain the correct scientific identity of the palms being exploited. In addition, data were gathered on wild palms under incipient stages of management or domestication to identify more accurately those species having potential for modern forest management or tree crop development. One important conclusion is that current patterns of utilization by local people *per se* do not significantly threaten wild palm populations. Forest loss from clearing land for agriculture, from mining, hydroelectricity or urbanization, poses by far the chief threat.

Seven geographic areas of known high palm exploitation were selected for study: Mexico, the Caribbean and Central America, Hispaniola, Colombia, Peru, Bolivia and Brazil. In the case of first three areas, the studies were on palm species in general over the region. In South America, investigations were focused on specific regions within the countries; these regions were the Colombian Pacific Region, the Peruvian Amazon centered on Iquitos, two regions in eastern lowland Bolivia, and three regions in Brazil: the Lower Amazon, the babaçu palm forest in the Northeast, and the piaçava palm forest of the East Coast. Six palm specialists collaborated in this research.

Results of the study were analyzed and an Action Plan written containing five major recommendations. This plan was presented to WWF-US, who are funding a follow-up project on its implementation.

Recommendation 1 deals with international trade of ornamental palms, and suggests that a study to be done to determine the amount of trade in entire live plants and leaves of the genus *Chamaedorea* originating from Mexico and Central America. The project clearly showed that the nursery trade is threatening species of this genus in the wild.

The second recommendation addresses the subject of palm forest management. Because palms are not regarded as timber species they are generally disregarded by foresters. New World tropical palms represent an unrecognized and under-developed renewable natural resource. An accurate, country-by-country survey was called for to calculate the quantity and value of wild palm products, as an initial step toward integration of palms into tropical forest management plans.

Recommendation 3 concerns under-developed promising palm species. It states that further studies need to be carried out to bring potentially valuable commercial species under improved management systems, into cultivation and eventual full domestication. Oilseed palms and species exploited for palm hearts are obvious candidates.

Recommendation 4 focuses on the lack of detailed information on the ethnobotany of palms among indigenous peoples, and urges that further studies be carried out. Fast disappearing cultural groups possess valuable ethnobiological information, as well as knowledge of forest resource utilization; both are of potential utility to present and future generations.

The final recommendation is concerned with general awareness about palm utility. It suggests that palm specialists devote more time and energy to publicizing palm utility among fellow professionals, conservationists and educators.

CONCLUSION

As shown on pp. 27-28, the list contains 1102 taxa of which 278 are threatened. Of these 278 threatened taxa, 1 is Extinct/Endangered, 51 are Endangered, 2 are Endangered/Vulnerable, 76 are Vulnerable, 50 are Rare and 98 are Indeterminate. (At species level, the figures are 1 Extinct/Endangered, 50 Endangered, 2 Endangered/Vulnerable, 72 Vulnerable, 48 Rare and 97 Indeterminate.) We regard these figures as under-estimating the threat to palms, because the status is unknown (unassigned) for over half of them (643 taxa). Therefore, the true number of palms in some danger is likely to be much higher. Also, assessment of threatened status refers to the survival of the taxon, and does not measure genetic erosion or decline, which can have very severe effects on economic potential.

We are also very much aware of the inadequacies of the list. Many genera are in urgent need of revision and the distribution of many taxa is poorly known. However, it should be regarded as a working list for conservation purposes which will continue to be refined. Already, its use has stimulated inputs from palm enthusiasts and specialists.

What is now urgently required is follow-up action, particularly in the field to relocate palms identified as being possibly under threat, to verify their conservation status and make practical suggestions as to how they may be conserved. The project to follow up the action plan, funded by WWF-US (July 1987 - June 1988), is dealing with the most critical palm conservation needs. In this way the stage will be set for action at the national level with local organizations taking the lead.

Investigations in the New World have spawned interest in palm conservation in Asia. WWF-International has approved a two-year project (1987-88) focused on Indonesia, Malaysia, the Philippines and possibly India. Sub-projects have been designed in the respective countries. The project is being directed by Dr Dennis V. Johnson and Dr John Dransfield.

Results so far in the New World have contributed significant new data and refined our knowledge of the conservation status of the Palmae. For millenia, this unique and useful plant family has provided us with necessities of life, as well as with ornamental species of great beauty. Today palms need the favour returned so that they may continue to survive and contribute to the support and enjoyment of mankind.

EXPLANATION OF THE LIST

The list is a printout from the TPU database (file THRPLANT) using the PLANTSEL selection program and the PLTMREP formatting programme. With the exception of the footnote on page 1, it has not been edited as text. Some notes are given below on the values of each field and on interpretation of the format.

Geographical Coverage

The list covers all palms that are native to the New World. The term "New World" is interpreted here to cover the TPU regions of North America (Canada, conterminous United States with Alaska), Middle America (Mexico to Panama), Caribbean (including Bermuda), and South America. To this we added the following islands with native palms from the TPU Pacific region - Guadelupe (Mexico), Juan Fernandez and Isla del Coco (Costa Rica).

Plant Names

The list provides a nomenclaturally correct, accepted scientific plant name for each taxon, as far as can be determined.

Subspecies and varieties have been included where they are distinct in the view of the authors, but have otherwise been omitted; coverage here is not entirely consistent, but the percentage of new world palms described below species level is low. Quadrinomials are not permitted by the TPU system, since under the Nomenclatural Code every combination of Genus, Species and lowest infraspecific name must be unique.

New species are included either in the form of the Genus followed by the term "sp. nov." or by the name in press, the authority being followed by the term "ined.". Where it has been decided to include a taxon in synonymy under another, but the new synonymy has not yet been published, the first name is omitted from the list.

Cultivated and introduced species are *not* included.

Authorities are abbreviated in accordance with the Draft Kew Author Index (1980).

Natural hybrids are excluded from the TPU database as a matter of policy. Nevertheless, they represent taxa that provide valuable taxonomic insights into problematic species as well as genera. Appendix 1, by Michael J. Balick, lists the interspecific and intergeneric hybrids so far identified.

Distribution

The distribution of each taxon in each of the 600 CMC areas follows in the middle columns. These areas are normally countries or islands, but can be states in the case of federal countries such as the United States, Mexico and Brazil. For reasons of space, the area names are 15 letters or less, and therefore may not accord to the proper and full names of the countries concerned.

Each area record refers to the definite occurrence of the taxon in the area. Predicted occurrences are omitted. A question mark preceding the area name means that that record is a doubtful one.

In some cases, the area names are followed by a geographical qualifier, placed in brackets. This is a short piece of free text to qualify the distribution given.

Area conservation category

The area, with or without geographical qualifier, is followed by the IUCN conservation category for the degree of threat to the survival of the taxon in that area. The categories are defined on page xiii, below. A booklet on their application, with examples, is available from the TPU. Note that the category refers to the status of wild and naturalised populations, and does not take account of cultivated populations.

Area data source

The area category is followed in most cases by the area data source. This is a number which indicates the source for the record of the plant's occurrence in that area. There is an index of the data sources used at the end of the report, taken from the TPU's bibliographic datafile. Note that the area data source refers to the presence of the taxon in the area; it does *not* refer to the conservation category for its status there; the data sources for conservation categories are not indicated in this report, since they are covered in a separate TPU database which permits multiple, conflicting values to be held for any plant in any area.

A comma separates the information about each area.

Column 1: Regional Conservation Category

The IUCN conservation status for the degree of threat to the taxon in the TPU region concerned, in this case North America, Middle America, Caribbean, South America, Pacific, South Atlantic, as outlined above.

Column 2: World Conservation Category

The IUCN conservation status as applied to the plant at a world level.

Column 3: The data source for the plant name

The source of the plant name. This is not necessarily the best source for data on the plant, but simply the one from which the compiler took the name, including its taxonomic status, spelling and authority.

Column 4: The distribution completeness flag

This indicates whether or not the distribution of the plant given is complete or not. Key:

- Y: Distribution complete;
- N: Distribution incomplete;
- ?: Not known whether distribution complete;
- Space: Taxon confined to one CMC area.

Notes on Data Sources

The data sourcing system was developed by TPU in 1985-6 and is being widely applied to clusters of fields throughout the database to indicate the source of the data. TPU commend it to those designing databases that provide an overview of other, more extensive information, in this case in the literature. In each case a single number refers to an entry in the TPU bibliographic file (CCAL).

There are times when a single number is not sufficient, and here TPU have developed a complex set of rules for application. Only the two most common situations are explained here:

Multiple data sources. If each source is more or less equally reliable and each gives all the data needed, the data source is the one first used by TPU. Only if a newer reference is much more reliable does it replace the original datasource. If more than two references are needed to provide the data in the field, the code 9997 (multiple data sources) is used.

Name changes. The TPU database does not yet have the facility to store synonyms, awaiting final decisions on the Minimal Functional Nomenclator to be made by the Taxonomic Databases Working Group. When a name is changed from one value to another in the database, the name data source is replaced by 9996 (code for name change), but the area record data sources do not change, and can remain records which used the previous plant name. Therefore a paper screened for name changes may have been screened by TPU and used in the report, but will not appear in the list of data sources. This flaw will be corrected when a synonym facility is added to the TPU database.

DEFINITIONS OF THE IUCN CONSERVATION (RED DATA BOOK) CATEGORIES

A. THREATENED CATEGORIES

Extinct (Ex)

Taxa which are no longer known to exist in the wild after repeated searches of their type localities and other known or likely places.

Endangered (E)

Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating.

Included are taxa whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of extinction.

Vulnerable (V)

Taxa believed likely to move into the Endangered category in the near future if the causal factors continue operating.

Included are taxa of which most or all the populations are *decreasing* because of over-exploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously *depleted* and whose ultimate security is not yet assured; and taxa with populations that are still abundant but are *under threat* from serious adverse factors throughout their range.

Rare (R)

Taxa with small world populations that are not at present Endangered or Vulnerable, but are at risk.

These taxa are usually localized within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

Indeterminate (I)

Taxa *known* to be Extinct, Endangered, Vulnerable or Rare but where there is not enough information to say which of the four categories is appropriate.

B. UNKNOWN CATEGORIES

Status Unknown (?)

No information.

Candidate (C)

Taxa whose status is being assessed and which are suspected but not yet definitely known to belong to any of the above categories.

Insufficiently known (K)

Taxa that are suspected but not definitely known to belong to any of the above categories, following assessment, because of the lack of information.

C. NOT THREATENED CATEGORY

Safe (nt)

Neither rare nor threatened.

NOTES

1. Some combinations are permitted, falling into two series. Within the threatened categories, the following combinations are permitted, signifying that the plant is definitely in one or the other of the two categories concerned:

Extinct/Endangered	Ex/E
Endangered/Vulnerable	E/V
Endangered/Rare	E/R
Vulnerable/Rare	V/R

Between the threatened categories and the safe (not threatened) category, the following signify that the plant is on the *borderline* between the two categories concerned:

Vulnerable/not threatened	V/nt
Rare/not threatened	R/nt

It does *not* signify that the plant could be anywhere on the scale encompassed by those categories; if that was the case, the category Unknown should be used. V/nt may, however, be used for plants threatened in a major part of their range, but safe elsewhere.

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4 January 1988

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
ANGIOSPERMAE					
PALMAE					
<i>Acoelorrhaphes wrightii</i> H.Wendl. ex Becc.	Bahamas I (8766), Cuba (IP; PR; M; CA) nt (9774), Florida (south) nt (8766), Belize ? (9998), Guatemala ? (9998), Honduras ? (8020), Mexico ? (8020)	nt	nt	8020	N
* <i>Acrocomia aculeata</i> (Jacq.f.) Lodd. ex Mart.	Antigua/Barbuda (only Antigua) ? (8767), ? Barbados ? (8767), Dominica ? (8767), Grenada ? (8767), Guadeloupe (incl. Marie Galante) ? (8767), Martinique ? (8767), St Kitts-Nevis (only St Kitts) ? (8767), St Lucia ? (8767), St Vincent ? (8767)	nt	nt	8020	Y
<i>Acrocomia antioquiensis</i> Posada-Arango	Colombia nt (8020)	nt	nt	8020	
<i>Acrocomia chunta</i> Covas & Ragon.	Argentina E (8020), Bolivia nt (8743)	nt	nt	8020	Y
<i>Acrocomia eriocantha</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Acrocomia glaucophylla</i> Drude	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Acrocomia ierensis</i> L.H.Bailey	Trinidad/Tobago ? (8020)	?	?	8020	
<i>Acrocomia intumescens</i> Drude	Brazil ? (8020)	?	?	8020	
<i>Acrocomia lasiospatha</i> Mart.	French Guiana (open coastal savannas) V (8020), Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Acrocomia media</i> O.F.Cook	Puerto Rico nt (8020)	nt	nt	8020	
<i>Acrocomia mexicana</i> Karw. ex Mart.	Belize ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico ? (8020)	nt	nt	8020	Y
<i>Acrocomia microcarpa</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Acrocomia mokayayba</i> Barb. Rodr.	Brazil ? (8020), Paraguay ? (8774)	?	?	8020	Y
<i>Acrocomia odorata</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Acrocomia panamensis</i> L.H.Bailey	Panama ? (8020)	?	?	8020	
<i>Acrocomia pilosa</i> Leon	Cuba (Guantanamo) R (9774)	R	R	9244	
<i>Acrocomia quisqueyana</i> L.H.Bailey	Dominican Rep. R (5642), Haiti (Port-de-Paix & nr Duchity) ? (10874)	?	?	8020	Y
<i>Acrocomia spinosa</i> (Miller) H.E.Moore	Jamaica nt (8020)	nt	nt	8020	
<i>Acrocomia subinermis</i> Leon ex L.H.Bailey	Cuba (Ciud. Habana) I (5607)	I	I	5607	
<i>Acrocomia totai</i> Martius	Argentina E (8020), Bolivia ? (8020), Paraguay ? (8020)	nt	nt	8020	Y
<i>Acrocomia ulei</i> Dammer	Brazil ? (8020)	?	?	8020	
<i>Acrocomia viegasii</i> L.H.Bailey	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Acrocomia vinifera</i> Oersted	Costa Rica nt (8020), El Salvador ? (8020), Nicaragua ? (8020), Panama ? (8020)	nt	nt	8020	Y
<i>Acrocomia wallaceana</i> (Drude) Becc.	Brazil ? (8020)	?	?	8020	
<i>Acrocomia</i> sp. (= <i>Acanthococos</i> (a) <i>emensis</i> Toledo)	Sao Paulo (Brazilian Highlands) E (8020)	E	E	9995	
<i>Acrocomia</i> sp. (= <i>Acanthococos</i> (b) <i>hassleri</i> Barb. Rodr.)	Paraguay ? (8020)	?	?	9995	
<i>Acrocomia</i> sp. (= <i>Acanthococos</i> (c) <i>sericea</i> Burret)	Brazil ? (8020)	?	?	9995	
<i>Aiphanes acanthophylla</i> (Mart.) Burret	Puerto Rico R (8020)	R	R	8020	
<i>Aiphanes acaulis</i> Galeano & R.Bernal	Colombia (Choco, 2 populations) ? (10741)	?	?	10741	
<i>Aiphanes aculeata</i> Willd.	Venezuela ? (8020)	?	?	8020	
<i>Aiphanes caryotifolia</i> (H.B. & K.) H.Wendl.	Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)	?	?	9997	Y
<i>Aiphanes concinna</i> H.E.Moore	Colombia ? (8020)	?	?	8020	
<i>Aiphanes deltoidea</i> Burret	Peru ? (8020)	?	?	8020	
<i>Aiphanes disticha</i> (Wallis ex Regel) Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes duquei</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes echinocarpa</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Aiphanes eggersii</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Aiphanes erinacea</i> (Karsten) H.Wendl.	Colombia ? (8020)	?	?	8020	
<i>Aiphanes ernestii</i> Burret	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Aiphanes fosteriorum</i> H.E.Moore	Colombia ? (8020)	?	?	8020	
<i>Aiphanes fuscopubens</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Aiphanes gelatinosa</i> H.E.Moore	Colombia ? (8020)	?	?	8020	
<i>Aiphanes gracilis</i> Burret	Peru ? (8020)	?	?	8020	
<i>Aiphanes hirsuta</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes kalbreyeri</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes killipii</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes leiostachys</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes leiostachys</i> Burret	Colombia ? (8020)	?	?	8020	

See end for explanation of Fields labelled 1 to 4

* According to Lleras and Coradin (pers. comm.), except for the species previously included in *Acanthococos*, all taxa in *Acrocomia* represent variants of one widespread taxon, *A. aculeata*.

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<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Aiphanes lindeniana</i> (H.Wendl.) H.Wendl.	Colombia ? (8020)	?	?	8020	
<i>Aiphanes linearis</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes luciana</i> L.H.Bailey	Dominica I (8767), St Lucia I (8767)	I	I	8020	Y
<i>Aiphanes macroloba</i> Burret	Colombia ? (8020), Ecuador ? (9000)	?	?	8020	Y
<i>Aiphanes monostachys</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes orinocensis</i> Burret	Venezuela V (8020)	V	V	8020	
<i>Aiphanes pachyclada</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes parvifolia</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes praemorsa</i> (Poeppig ex Mart.) Burret	Peru ? (8020)	?	?	8020	
<i>Aiphanes schultzeana</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Aiphanes simplex</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Aiphanes</i> sp.A (Barbados)	Barbados R (8776)	R	R	9996	
<i>Aiphanes</i> sp.B (Grenada)	Grenada R (8775)	R	R	9996	
<i>Aiphanes tessmannii</i> Burret	Peru ? (8020)	?	?	8020	
<i>Aiphanes truncata</i> (Brongn. ex Mart.) H.Wendl.	Bolivia ? (8020)	?	?	8020	
<i>Aiphanes ulei</i> (Dammer) Burret	Peru ? (8020)	?	?	8020	
<i>Aiphanes vincentiana</i> L.H.Bailey	St Vincent I (8020)	I	I	8020	
<i>Aiphanes weberbaueri</i> Burret	Peru ? (8020)	?	?	8020	
<i>Allagoptera anisitsii</i> (Barb. Rodr.) H.E.Moore	Paraguay ? (8020)	?	?	8020	
<i>Allagoptera arenaria</i> (Gomes) Kuntze	Brazil (Atlantic forest) V (8743)	V	V	8020	
<i>Allagoptera campestris</i> (Mart.) Kuntze	Brazil nt (8020)	nt	nt	8020	
<i>Allagoptera hassleriana</i> (Barb. Rodr.) H.E.Moore	Paraguay ? (8020)	?	?	8020	
<i>Allagoptera leucocalyx</i> (Drude) Kuntze	Brazil ? (8020)	?	?	8020	
<i>Ammandra decasperma</i> O.F.Cook	Colombia (Costa del Pacific) V (8743), Ecuador ? (9000)	?	?	8020	Y
<i>Asterogyne martiana</i> (H.Wendl.) H.Wendl. ex Hemsley	Belize ? (9998), Costa Rica ? (9998), Guatemala ? (9998), Honduras ? (9998), Mexico ? (8020), Nicaragua ? (9998), Panama ? (9998)	nt	nt	8020	Y
<i>Asterogyne ramosa</i> (H.E.Moore) J.G.W.Boer	Colombia ? (8020) Venezuela R (8020)	?	R	8020	
<i>Asterogyne spicata</i> (H.E.Moore) J.G.W.Boer	Venezuela R (8020)	R	R	8020	
<i>Astrocaryum acaule</i> Mart.	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Astrocaryum aculeatissimum</i> (Schott) Burret	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum aculeatum</i> G.Meyer	Trinidad/Tobago ? (8020), Brazil ? (8020), Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Astrocaryum alatum</i> H.F.Loomis	Costa Rica K (8020), Panama K (8020)	V	V	8020	Y
<i>Astrocaryum burity</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum campestre</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum caudescens</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum chambira</i> Burret	Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)	?	?	8020	Y
<i>Astrocaryum chonta</i> Mart.	Bolivia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Astrocaryum confertum</i> H.Wendl. ex Burret	Costa Rica ? (8020), Panama ? (8020)	?	?	8020	Y
<i>Astrocaryum cuatrecasana</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Astrocaryum echinatum</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum giganteum</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum gymnopus</i> Burret	Venezuela ? (8020)	?	?	8020	
<i>Astrocaryum gynacanthum</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum horridum</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum huaiimi</i> Mart.	Bolivia ? (8020), Brazil ? (8020)	?	?	8020	Y
<i>Astrocaryum huebneri</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum huicungo</i> Dammer ex Burret	Peru nt (8020)	nt	nt	8020	
<i>Astrocaryum jauari</i> Mart.	Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), Guyana ? (8020), Peru ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Astrocaryum javarense</i> (Trail) Trail ex Drude	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum kewense</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum leiostapha</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	

See end for explanation of Fields labelled 1 to 4

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Astrocaryum macrocalyx</i> Burret	Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Astrocaryum macrocarpum</i> Huber	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum malybo</i> Karsten	Colombia ? (8020)	?	?	8020	
<i>Astrocaryum manaoense</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum mexicanum</i> Liebm. ex Mart.	Belize ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico ? (8020)	nt	nt	8020	Y
<i>Astrocaryum munbaca</i> Mart.	Brazil nt (8020), Suriname nt (8020)	nt	nt	8020	Y
<i>Astrocaryum murumuru</i> Mart.	Brazil nt (8020), Ecuador ? (9000)	nt	nt	8020	Y
<i>Astrocaryum paramaca</i> Mart.	Brazil nt (8020), French Guiana ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Astrocaryum pygmaeum</i> Drude	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum rodriguesii</i> Trail	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Astrocaryum sciophilum</i> (Miq.) Pulle	Brazil ? (8020), French Guiana nt (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Astrocaryum standleyanum</i> L.H.Bailey	Costa Rica V (8020), Panama V (8020) Colombia V (8020), Ecuador ? (9000)	V	?	8020	Y
<i>Astrocaryum trachycarpum</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Astrocaryum ulei</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum urostachys</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Astrocaryum vulgare</i> Mart.	Brazil nt (8020), French Guiana ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Astrocaryum weddellii</i> Drude	Brazil ? (8020)	?	?	8020	
<i>Astrocaryum yauaperiyense</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Attalea allenii</i> H.E.Moore ex L.H.Bailey	Panama K (8020), Colombia K (8020)	V	V	8020	Y
<i>Attalea amygdalina</i> H.B. & K.	Colombia ? (8020)	?	?	8020	
<i>Attalea apoda</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Attalea attaleoides</i> (Barb. Rodr.) J.G.W.Boer	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Attalea borgesiana</i> Bondar	Brazil (Atlantic forest) V (8743)	V	V	8020	
<i>Attalea burretiana</i> Bondar	Bahia (Reconcavo) E (8743)	E	E	8020	
<i>Attalea camposportoana</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Attalea colenda</i> Balslev & A.Henderson	Colombia (Narino) ? (10746), Ecuador (western Andean slopes) ? (10746)	?	?	9996	?
<i>Attalea compta</i> Mart.	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Attalea concentrista</i> Bondar	Bahia R (8743)	R	R	8020	
<i>Attalea concinna</i> (Barb. Rodr.) Burret	Brazil ? (8020)	?	?	8020	
<i>Attalea dahlgreniana</i> (Bondar) J.G.W.Boer	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Attalea dubia</i> (Mart.) Burret	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Attalea exigua</i> Drude	Brazil ? (8020)	?	?	8020	
<i>Attalea ferruginea</i> Burret	Brazil ? (8020), Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Attalea funifera</i> Mart. ex Sprengel	Brazil nt (8020)	nt	nt	8020	
<i>Attalea geraensis</i> Barb. Rodr.	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Attalea guaranitica</i> Barb. Rodr.	Paraguay (Atlantic forest) ? (8743)	?	?	8020	
<i>Attalea hoehnei</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Attalea humilis</i> Mart. ex Sprengel	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Attalea lapidea</i> (Gaertn.) Burret	Brazil ? (8020)	?	?	8020	
<i>Attalea monosperma</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Attalea nucifera</i> Karsten	Colombia ? (8020)	?	?	8020	
<i>Attalea oleifera</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Attalea pindobassu</i> Bondar	Bahia nt (8743)	nt	nt	8020	
<i>Attalea rhynchocarpa</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Attalea septuagenata</i> Dugand	Colombia (Amazon) E (8743)	E	E	8020	
<i>Attalea tessmannii</i> Burret	Peru (Amazon) E (8743)	E	E	8020	
<i>Attalea uberrima</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Attalea victoriana</i> Dugand	Colombia (Cordillera Occ. & Central) E (8743)	E	E	8020	
<i>Bactris acanthocarpa</i> Mart.	Brazil (Atlantic forest) ? (8743), ? Venezuela ? (8020)	?	?	8020	Y
<i>Bactris acanthocarpoides</i> Barb. Rodr.	Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Bactris acanthospatha</i> (Trail) Trail ex Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris actinoneura</i> Drude & Trail ex Drude	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris acuminata</i> Liebm. ex Mart.	Mexico ? (8020)	?	?	8020	
<i>Bactris alleniana</i> L.H.Bailey	Panama I (8020)	I	I	8020	

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Bactris amoena</i> Burret	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris angustifolia</i> Dammer	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris anisitsii</i> Barb. Rodr.	Paraguay ? (8020)	?	?	8020	
<i>Bactris aristata</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Bactris armata</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris arundinacea</i> (Trail) Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris atrox</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris aubletiana</i> Trail	French Guiana nt (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Bactris augustinea</i> L.H.Bailey	Nicaragua ? (8020), Panama ? (8020)	?	?	8020	Y
<i>Bactris aureodrupa</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Bactris baculifera</i> Karw. ex Mart.	Mexico ? (8020)	?	?	8020	
<i>Bactris baileyana</i> H.E.Moore ex L.H.Bailey	Costa Rica K (8020), Panama K (8020)	I	I	8020	Y
<i>Bactris balanoidea</i> (Oersted) H.Wendl.	Belize ? (9998), Costa Rica ? (9998), El Salvador ? (9998), Guatemala ? (9998), Honduras ? (9998), Mexico ? (8020), Nicaragua ? (9998), Panama I (8020)	nt	nt	8020	Y
<i>Bactris balanophora</i> Spruce	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Bactris barronis</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Bactris bella</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris bergantina</i> Steyerm.	Venezuela V (8020)	V	V	8020	
<i>Bactris bicuspidata</i> Spruce	Brazil ? (8020)	?	?	8020	
<i>Bactris bidentula</i> Spruce	Brazil ? (8020)	?	?	8020	
<i>Bactris bifida</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Bactris bijugata</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris bradei</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris campestris</i> Poeppig ex Mart.	Trinidad/Tobago ? (8020), Brazil ? (8020), Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris capillacea</i> (Trail) Trail ex Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris capinensis</i> Huber	Brazil ? (8020)	?	?	8020	
<i>Bactris caribaea</i> Karsten	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Bactris caryotaefolia</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Bactris caudata</i> H.Wendl. ex Hemsley	Costa Rica ? (8020)	?	?	8020	
<i>Bactris chaetochlamys</i> Burret	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris chaetospatha</i> Mart.	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Bactris chapadensis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris chloracantha</i> Poeppig ex Mart.	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris chlorocarpa</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris ciliata</i> (Ruiz & Pavon) Mart.	Peru ? (8020)	?	?	8020	
<i>Bactris circularis</i> L.H.Bailey	Trinidad/Tobago ? (8020)	?	?	8020	
<i>Bactris coccinea</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris coloniata</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Bactris coloradonis</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Bactris concinna</i> Mart. ssp. <i>concinna</i>	Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Guyana ? (8020), Peru ? (8020)	nt	nt	8020	Y
<i>Bactris concinna</i> Mart. ssp. <i>depauperata</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Bactris confluens</i> Linden & H.Wendl. ex H.Wendl.	Venezuela ? (8020)	?	?	8020	
<i>Bactris constanciae</i> Barb. Rodr.	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris corossilla</i> Karsten	Venezuela ? (8020)	?	?	8020	
<i>Bactris cruegeriana</i> Griseb. & H.Wendl. ex Griseb.	Trinidad/Tobago ? (8020), Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris cubensis</i> Burret	Cuba (Guantanamo; Holguin) nt (9774)	nt	nt	9244	
<i>Bactris cuesa</i> Crueger ex Griseb.	Trinidad/Tobago ? (8020)	?	?	8020	
<i>Bactris cuesco</i> F.Engel	Colombia ? (8020)	?	?	8020	
<i>Bactris curuena</i> (Trail) Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris cuspidata</i> Mart.	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris cuvaro</i> Karsten	Colombia ? (8020)	?	?	8020	
<i>Bactris cuyabaensis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris dahlgreniana</i> Glassman	Brazil ? (8020)	?	?	8020	
<i>Bactris dasychaeta</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Bactris dianeura</i> Burret	Nicaragua ? (8020)	?	?	8020	
<i>Bactris diviscupula</i> L.H.Bailey	Costa Rica ? (8020), Panama ? (8020)	?	?	8020	Y
<i>Bactris duidae</i> Steyerm.	Venezuela ? (8020)	?	?	8020	
<i>Bactris duplex</i> H.E.Moore ex L.H.Bailey	Colombia ? (8020)	?	?	8020	
<i>Bactris elatior</i> A.R.Wallace	Brazil ? (8020)	?	?	8020	

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Bactris elegans</i> B.Rodr. & Trail ex Barb. Rodr.	Brazil nt (8020), Guyana ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Bactris ericetina</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris erostrata</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris escagnollei</i> Glaziov ex Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris eumorpha</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Bactris exaltata</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris falcata</i> J.R.Johnston	Venezuela ? (8020)	?	?	8020	
<i>Bactris faucium</i> Mart.	Bolivia ? (8020)	?	?	8020	
<i>Bactris ferruginea</i> Burret	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Bactris fissifrons</i> Mart.	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris floccosa</i> Spruce	Brazil ? (8020)	?	?	8020	
<i>Bactris formosa</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris fragae</i> Lindman	Brazil ? (8020)	?	?	8020	
<i>Bactris fusca</i> Oersted	Costa Rica ? (8020)	?	?	8020	
<i>Bactris fuscospina</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Bactris gasipaes</i> H.B. & K.	Central America ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)	?	?	8020	Y
<i>Bactris gastoniana</i> Barb. Rodr.	Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Bactris gaviona</i> (Trail) Trail ex Drude	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris geonomoides</i> Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris glandulosa</i> Oersted	Costa Rica ? (8020)	?	?	8020	
<i>Bactris glaucescens</i> Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris gracilior</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Bactris gracilis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris granariuscampa</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris granatensis</i> (Karsten) H.Wendl.	Colombia ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Bactris guineensis</i> (L.) H.E.Moore	Costa Rica nt (8020), Nicaragua ? (8020), Panama ? (8020), Colombia ? (8020)	nt	nt	8020	Y
<i>Bactris gymnospatha</i> Burret	Venezuela ? (8020)	?	?	8020	
<i>Bactris hirta</i> Mart.	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris hondurensis</i> Standley	Honduras ? (8020)	?	?	8020	
<i>Bactris hoppii</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris horrida</i> Oersted	Costa Rica ? (8020), Nicaragua ? (8020)	?	?	8020	Y
<i>Bactris huebneri</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris humilis</i> (A.R.Wallace) Burret	Brazil ? (8020), Colombia ? (8020), Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris hylophila</i> Spruce	Brazil ? (8020)	?	?	8020	
<i>Bactris incommoda</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Bactris inermis</i> Trail ex Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris infesta</i> Mart.	Bolivia ? (8020)	?	?	8020	
<i>Bactris insignis</i> (Mart.) Baillon	Bolivia V (8020)	V	V	8020	
<i>Bactris integrifolia</i> A.R.Wallace	Brazil ? (8020), Suriname ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Bactris interruptepinnata</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris inundata</i> Mart.	Bolivia ? (8020), Brazil ? (8020)	?	?	8020	Y
<i>Bactris jamaicana</i> L.H.Bailey	Jamaica R (8020)	R	R	8020	
<i>Bactris juruensis</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Bactris kalbreyeri</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Bactris kuhlmannii</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris lakoi</i> Burret	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris lanceolata</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris leptospadix</i> Burret	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Bactris leucacantha</i> Linden ex H.Wendl.	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Bactris lindmanniana</i> Drude ex Lindman	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Bactris littoralis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris longifrons</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Bactris longipes</i> Poeppig ex Mart.	Brazil ? (8020)	?	?	8020	
<i>Bactris longipetiolata</i> H.Wendl. ex Hemsley	Costa Rica ? (8020)	?	?	8020	
<i>Bactris longiseta</i> H.Wendl. ex Burret	Costa Rica V (8020)	V	V	8020	
<i>Bactris macana</i> Mart.	Venezuela nt (8020)	nt	nt	8020	
<i>Bactris macroacantha</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Bactris macrocarpa</i> A.R.Wallace	Brazil ? (8020)	?	?	8020	
<i>Bactris macrotricha</i> Burret	Colombia ? (8020)	?	?	8020	

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Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Bactris major</i> Jacq.f.	Belize ? (8020), Costa Rica ? (8020), Honduras ? (8020), Mexico ? (8778), Panama ? (8020), Trinidad/Tobago (both islands) ? (8020), Brazil ? (8020), Colombia ? (8020), Guyana ? (8020), Suriname ? (8020), Venezuela ? (8020)	?	nt	8020	Y
<i>Bactris maraja</i> Mart.	Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Guyana ? (8020), Peru ? (8020), Suriname nt (8020)	nt	nt	8020	Y
<i>Bactris maraja-acu</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris mattogrossensis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris megistocarpa</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris mexicana</i> Mart.	Mexico ? (8020)	?	?	8020	
<i>Bactris microcalyx</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris microcarpa</i> Spruce	Brazil ? (8020)	?	?	8020	
<i>Bactris microspadix</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris militaris</i> H.E.Moore	Costa Rica (Golfo Dulce) E (8743)	E	E	8020	
<i>Bactris mitis</i> Mart.	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris monticola</i> Barb. Rodr.	Brazil ? (8020), Colombia ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Bactris multiramosa</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris nemorosa</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris obovata</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Bactris oligocarpa</i> Barb. Rodr. & Trail ex B.Rodr.	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris oligoclada</i> Burret	Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris ottostapfeana</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris paucijuga</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris paula</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Bactris pectinata</i> Mart.	Brazil ? (8020), French Guiana K (8777)	?	?	8020	Y
<i>Bactris penicillata</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris pickelii</i> Burret	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Bactris pilosa</i> Karsten	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Bactris piranga</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Bactris piritu</i> (Karsten) H.Wendl.	Colombia ? (8020), Venezuela R (8020)	?	?	8020	Y
<i>Bactris platyacantha</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris platyspina</i> (Barb. Rodr.) Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris plumeriana</i> Mart.	Dominican Rep. I (5642), Haiti I (10874)	I	I	8020	?
<i>Bactris polyclada</i> Burret	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Bactris porschiana</i> Burret	Costa Rica V (8020)	V	V	8020	
<i>Bactris ptariana</i> Steyerem.	Venezuela R (8020)	R	R	8020	
<i>Bactris pubescens</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Bactris pulchella</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris pulchra</i> (Trail) Trail ex Drude	Brazil ? (8020)	?	?	8020	
<i>Bactris raphidacantha</i> J.G.W.Boer	Suriname R (8020)	R	R	8020	
<i>Bactris riparia</i> Mart.	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Bactris sanctae-paulae</i> F.Engel	Colombia ? (8020)	?	?	8020	
<i>Bactris schultesii</i> (L.H.Bailey) Glassman	Colombia ? (8020)	?	?	8020	
<i>Bactris setiflora</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Bactris setosa</i> Mart.	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Bactris setulosa</i> Karsten	Venezuela ? (8020)	?	?	8020	
<i>Bactris sigmoidea</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Bactris simplex</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris simplicifrons</i> Mart.	Trinidad/Tobago ? (8020)	?	nt	8020	Y
	Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt			
<i>Bactris socialis</i> Mart.	Bolivia ? (8020), Brazil ? (8020)	?	?	8020	Y
<i>Bactris sphaerocarpa</i> Trail	Bolivia ? (8020)	?	?	8020	
<i>Bactris standleyana</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Bactris sworderiana</i> Becc.	Trinidad/Tobago (only Tobago) ? (8020)	?	?	8020	
<i>Bactris syagroides</i> Trail ex Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris sylvatica</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris tomentosa</i> Mart.	Brazil ? (8020)	?	?	8020	

See end for explanation of Fields labelled 1 to 4

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Bactris trailiana</i> Barb. Rodr.	Brazil ? (8020), French Guiana R (8777)	?	?	8020	Y
<i>Bactris trichophylla</i> Burret	Belize ? (8020), Guatemala ? (8020)	?	?	8020	Y
<i>Bactris tucum</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris turbinata</i> Mart.	Brazil ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Bactris turbinocarpa</i> Barb. Rodr.	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Bactris umbraticola</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris umbrosa</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris unaensis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris venezuelensis</i> Steyerf.	Venezuela V (8020)	V	V	8020	
<i>Bactris vexans</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Bactris vulgaris</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Bactris wendlandiana</i> Burret	Costa Rica V (8020)	V	V	8020	
<i>Barcella odora</i> (Trail) Drude	Brazil ? (8020)	?	?	9996	
<i>Brahea aculeata</i> (T.S.Brandege) H.E.Moore	Mexico V (8020)	V	V	9996	
<i>Brahea armata</i> S.Watson	Mexico K (8020)	K	K	9996	
<i>Brahea bella</i> L.H.Bailey	Mexico R (8020)	R	R	8020	
<i>Brahea berlandieri</i> H.H.Bartlett	Nuevo Leon E (9114)	E	E	8020	
<i>Brahea brandegeei</i> (C.A.Purpus) H.E.Moore	Mexico nt (8020)	nt	nt	9996	
<i>Brahea conzattii</i> H.H.Bartlett	Mexico V (8020)	V	V	8020	
<i>Brahea decumbens</i> Rzed.	Mexico V (8020)	V	V	8020	
<i>Brahea dulcis</i> (H.B. & K.) Mart.	Guatemala ? (8020), Veracruz ? (9114), San Luis Potosi ? (9114)	V	V	8020	Y
<i>Brahea edulis</i> S.Watson	Guadalupe (island slopes) R (8743)	R	R	9996	
<i>Brahea moorei</i> L.H.Bailey ex H.E.Moore	Mexico V (8020)	V	V	8020	
<i>Brahea nitida</i> Andre	Mexico V (8778)	V	V	8778	
<i>Brahea pimo</i> Becc.	Mexico V (8020)	V	V	9996	
<i>Brahea prominens</i> L.H.Bailey	Guatemala K (8020), Mexico K (8020)	V	V	8020	Y
<i>Brahea salvadorensis</i> H.Wendl. ex Becc.	El Salvador ? (8020), Guatemala ? (8020), Honduras ? (8020)	V	V	9996	Y
<i>Brahea</i> sp. (= <i>Erythea clara</i> L.H.Bailey)	Mexico ? (8020)	?	?	9995	
<i>Butia archeri</i> (Glassman) Glassman	Brazil ? (8020)	?	?	9996	
<i>Butia arenicola</i> (Barb. Rodr.) Burret	Brazil ? (8020), Paraguay ? (8020)	?	?	9996	Y
<i>Butia capitata</i> (Mart.) Becc.	Brazil (Atlantic forest) nt (8743), Uruguay ? (8020)	nt	nt	9996	Y
<i>Butia eriospatha</i> (Mart. ex Drude) Becc.	Brazil (Atlantic forest) ? (8743)	?	?	9996	
<i>Butia microspadix</i> Burret	Brazil ? (8904)	?	?	8904	
<i>Butia paraguayensis</i> (Barb. Rodr.) L.H.Bailey	Argentina E (8020), Brazil ? (8773), Paraguay ? (8020)	nt	nt	9996	Y
<i>Butia poni</i> (Hauman) Burret	Brazil (Atlantic forest) ? (8743)	?	?	8743	?
<i>Butia purpurascens</i> Glassman	Brazil (Cerrados in Goias) ? (8904)	?	?	8904	
<i>Butia yatay</i> (Mart.) Becc.	Argentina ? (8020), ? Paraguay ? (8020), Uruguay ? (8020)	nt	nt	9996	Y
<i>Calyptrogyne brachystachys</i> H.Wendl. ex Burret	Costa Rica K (8020), Panama K (8020)	V	V	8020	Y
<i>Calyptrogyne condensata</i> (L.H.Bailey) J.G.W.Boer	Costa Rica K (8020), Panama K (8020)	V	V	8020	Y
<i>Calyptrogyne ghiesbreghtiana</i> (Linden ex H.Wendl.) H.Wendl.	Belize ? (9998), Guatemala ? (9998), Honduras ? (9998), Mexico ? (8020), Nicaragua ? (9998), Panama ? (8020)	?	?	8020	Y
<i>Calyptrogyne sarapiquensis</i> H.Wendl. ex Burret	Costa Rica V (8020)	V	V	8020	
<i>Calyptrogyne trichostachys</i> Burret	Costa Rica V (8020)	V	V	8020	
<i>Calyptronoma clementis</i> (Leon) A.D.Hawkes ssp. <i>clementis</i>	Cuba (G; Gu; SC) nt (9774)	nt	nt	9244	
<i>Calyptronoma clementis</i> (Leon) A.D.Hawkes ssp. <i>orientalis</i> Muniz & Borhidi	Cuba (Guantanamo; Holguin) nt (9774)	nt	nt	9244	
<i>Calyptronoma dulcis</i> C.Wright ex Griseb.	Cuba (IP; PR; M; Ci) nt (9774)	nt	nt	9996	
<i>Calyptronoma intermedia</i> (Griseb. & H.Wendl.) H.Wendl.	Cuba (Pinar del Rio) K (9774)	K	K	9244	
<i>Calyptronoma microcarpa</i> (Leon) A.D.Hawkes	Cuba (Ci; VC; SS) R (9774)	R	R	9244	
<i>Calyptronoma occidentalis</i> (Swartz) H.E.Moore	Jamaica nt (8020)	nt	nt	9996	
<i>Calyptronoma quisquesyana</i> L.H.Bailey	Haiti R (10874)	R	R	9996	

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Calyptronomia rivalis</i> (Cook) L.Bailey	? Dominican Rep. ?, Puerto Rico V	V	V		Y
<i>Catoblastus aequalis</i> (Cook & Doyle) Burret	Colombia (west) I (8743), Ecuador ? (9000)	?	?	8020	Y
<i>Catoblastus andinus</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Catoblastus anomalus</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus cuatrecasasii</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Catoblastus distichus</i> R.Bernal	Colombia (Cordillera Occidental) ? (10743)	?	?	10743	
<i>Catoblastus drudei</i> O.F.Cook & Doyle	Colombia ? (8020), Peru ? (8020), Venezuela ? (8020)	?	?	9996	Y
<i>Catoblastus dryanderæ</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus engelii</i> H.Wendl. ex Burret	? Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Catoblastus inconstans</i> (Dugand) Glassman ex R.Bernal	Colombia ? (8020)	?	?	9997	
<i>Catoblastus kalbreyeri</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus megalocarpus</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus mesocarpus</i> Burret	Venezuela ? (8020)	?	?	8020	
<i>Catoblastus microcarpus</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus microcaryus</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus praemorsus</i> (Willd.) H.Wendl.	Venezuela nt (8020)	nt	nt	8020	
<i>Catoblastus pubescens</i> (Karsten) H.Wendl.	Colombia ? (8020)	?	?	8020	
<i>Catoblastus radiatus</i> (O.F.Cook & Doyle) Burret	Colombia (west, Valle and Choco) V (8743)	V	V	9996	
<i>Catoblastus sphaerocarpus</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Catoblastus velutinus</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon alpinum</i> Bonpl.	Colombia (Cordillera Occidental) E (8743)	E	E	8020	
<i>Ceroxylon beethovenia</i> Burret	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Ceroxylon ceriferum</i> (Karsten) Burret	Venezuela nt (8020)	nt	nt	8020	
<i>Ceroxylon coarctatum</i> (F.Engel) H.Wendl.	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Ceroxylon crispum</i> Burret	Peru (Huanuco Province) E (8743)	E	E	8020	
<i>Ceroxylon ferrugineum</i> Andre	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon floccosum</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon hexandrum</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon interruptum</i> (Karsten) H.Wendl.	Colombia ? (8020), Ecuador ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Ceroxylon latisectum</i> Burret	Peru (Amazonas Department) E (8743)	E	E	8020	
<i>Ceroxylon parvifrons</i> (F.Engel) H.Wendl.	Venezuela ? (8020)	?	?	8020	
<i>Ceroxylon pityrophyllum</i> (Mart.) H.Wendl.	Bolivia ? (8020)	?	?	8020	
<i>Ceroxylon quindiuense</i> (Karsten) H.Wendl.	Colombia V (8020), Ecuador ? (9000)	?	?	8020	Y
<i>Ceroxylon schultzei</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon sclerophyllum</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon utile</i> (Karsten) H.Wendl.	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon ventricosum</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Ceroxylon verruculosum</i> Burret	Peru (Cloud forest, Junin Prov.) E (8743)	E	E	8020	
<i>Ceroxylon vogelianum</i> (F.Engel) H.Wendl.	Colombia ? (8020)	?	?	8020	
<i>Ceroxylon weberbaueri</i> Burret	Peru (Sandia Province) E (8743)	E	E	8020	
<i>Chamaedorea adscendens</i> (Dammer) Burret	Belize ? (8020), Guatemala ? (8020)	I	I	8020	Y
<i>Chamaedorea aequalis</i> Standley & Steyerl.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea affinis</i> Leibm. ex Mart.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea aguilariana</i> Standley & Steyerl.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea allenii</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea alternans</i> H.Wendl.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea amabilis</i> H.Wendl. ex Dammer	Costa Rica (Alajuela and Cartago Provs) E (8743)	E	E	8020	
<i>Chamaedorea angustisecta</i> Burret	Peru ? (8020)	?	?	8020	
<i>Chamaedorea arenbergiana</i> H.Wendl.	Belize ? (9998), Costa Rica ? (9998), Guatemala ? (8020), Honduras ? (9998), Nicaragua ? (9998), Panama ? (8020)	I	I	8020	Y
<i>Chamaedorea atrovirens</i> Mart.	Mexico I (8020)	I	I	8020	

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Chamaedorea bartlingiana</i> H.Wendl.	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Chamaedorea bifurcata</i> Oersted	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea boliviensis</i> Dammer	Bolivia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Chamaedorea brachyclada</i> H.Wendl.	Panama I (8020)	I	I	8020	
<i>Chamaedorea brachypoda</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea brevifrons</i> H.Wendl.	Colombia ? (8020)	?	?	8020	
<i>Chamaedorea carchensis</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea casperiana</i> Klotzsch	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea cataractarum</i> Mart.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea coclensis</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea columbica</i> Burret	Colombia (Valle) I (8743)	I	I	8743	
<i>Chamaedorea concinna</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Chamaedorea concolor</i> Mart.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea conocarpa</i> Mart.	Bolivia ? (8020)	?	?	8020	
<i>Chamaedorea costaricana</i> Oersted	Costa Rica V (8020)	V	V	8020	
<i>Chamaedorea dammeriana</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea deckeriana</i> (Klotzsch) Hemsley	Costa Rica V (8020)	V	V	8020	
<i>Chamaedorea depauperata</i> Dammer	Brazil ? (8020), ? Peru ? (8020)	?	?	8020	Y
<i>Chamaedorea digitata</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea donnell-smithii</i> Dammer	Honduras I (8020)	I	I	8020	
<i>Chamaedorea dryanderæ</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Chamaedorea elatior</i> Mart.	Guatemala K (8020), Mexico K (8020)	I	I	8020	Y
<i>Chamaedorea elegans</i> Mart.	Guatemala ? (8020)	V	V	8020	Y
	Veracruz E (9114), Oaxaca E (9114)	E			
<i>Chamaedorea ernesti-augusti</i> H.Wendl., Otto & Dietr.	Belize ? (9998), Guatemala ? (9998), Honduras ? (8020), Mexico (Veracruz; Chiapas) E (9997)	?	?	8020	Y
<i>Chamaedorea erumpens</i> H.E.Moore	Belize ? (8020), Guatemala ? (8020)	I	I	8020	Y
<i>Chamaedorea exorrhiza</i> H.Wendl. ex Guillaumin	Costa Rica ? (8800), Panama ? (8785)	?	?	8800	Y
<i>Chamaedorea falcifera</i> H.E.Moore	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea ferruginea</i> H.E.Moore	Mexico E (8020)	E	E	8020	
<i>Chamaedorea fragrans</i> (Ruiz & Pavon) Mart.	Peru I (8020)	I	I	8020	
<i>Chamaedorea geonomiformis</i> H.Wendl.	Belize ? (8020), Guatemala ? (8020), Honduras ? (8020)	I	I	9997	Y
<i>Chamaedorea geonomoides</i> (Spruce) Drude	Ecuador ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Chamaedorea glaucifolia</i> H.Wendl.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea graminifolia</i> H.Wendl.	Costa Rica ? (8786)	?	?	8020	
<i>Chamaedorea hageniorum</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea heilbornii</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Chamaedorea herrerae</i> Burret	Peru ? (8020)	?	?	8020	
<i>Chamaedorea holmgrenii</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Chamaedorea hoppii</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Chamaedorea humilis</i> (Liebm.) Mart.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea integrifolia</i> (Trail) Dammer	Brazil nt (8020), Colombia ? (8020), Ecuador ? (8787), Peru ? (8020)	nt	nt	8020	Y
<i>Chamaedorea kalbreyeriana</i> H.Wendl. ex Burret	Colombia ? (8020)	?	?	8020	
<i>Chamaedorea karwinskyana</i> H.Wendl.	Mexico ? (8020)	?	?	8020	
<i>Chamaedorea klotzschiana</i> H.Wendl.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea lanceolata</i> (Ruiz & Pavon) Kunth	Colombia nt (8020), Ecuador ? (8787), Peru nt (8020)	nt	nt	8020	Y
<i>Chamaedorea latipinna</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea latisecta</i> (H.E.Moore) A.Gentry	Colombia ? (8020), Peru ? (8801)	?	?	8801	Y
<i>Chamaedorea lehmannii</i> Burret	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea leonis</i> H.E.Moore	Bolivia (Beni and La Paz) ? (9150)	?	?	9150	
<i>Chamaedorea lepidota</i> H.Wendl.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea liebmannii</i> Mart.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea linearia</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea lucidifrons</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea macroloba</i> Burret	Bolivia ? (8020)	?	?	8020	
<i>Chamaedorea macrospadix</i> Oersted	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea martiana</i> H.Wendl. Otto & Dietr.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea megaphylla</i> A.Gentry	Peru (Huanuco, 1620-1760 m) Ex/E (8801)	Ex/E	Ex/E	8801	

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<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Chamaedorea membranacea</i> Oersted	Nicaragua ? (8020)	?	?	8020	
<i>Chamaedorea metallica</i> O.F.Cook ex H.E.Moore	Veracruz (Cordoba) E (8743)	E	E	8020	
<i>Chamaedorea micrantha</i> Burret	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea microphylla</i> H.Wendl.	Panama I (8020)	I	I	8020	
<i>Chamaedorea microspadix</i> Burret	Mexico V (8020)	V	V	8020	
<i>Chamaedorea minor</i> Burret	Venezuela ? (8020)	?	?	8020	
<i>Chamaedorea monostachys</i> Burret	Veracruz I (9114)	I	I	8020	
<i>Chamaedorea montana</i> Liebm. ex Mart.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea murriensis</i> Galeano	Colombia (One locality, Antioquia) ? (10265)	?	?	9997	
<i>Chamaedorea nana</i> N.E.Brown	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea neurochlamys</i> Burret	Guatemala ? (8020), Honduras ? (8020), Mexico V (8020)	V	V	8020	Y
<i>Chamaedorea nubium</i> Standley & Steyerf.	Guatemala ? (8020), Mexico ? (8020)	I	I	8020	Y
<i>Chamaedorea oblongata</i> Mart.	Guatemala ? (9998), Honduras ? (9998), Mexico V (8020), Nicaragua ? (8020)	?	?	8020	Y
<i>Chamaedorea oreophila</i> Mart.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea pacaya</i> H.Wendl.	Costa Rica ? (8020), Panama ? (8020)	?	?	8020	Y
<i>Chamaedorea pachecoana</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea paradoxa</i> H.Wendl.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea parvifolia</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea parvisecta</i> Burret	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea pauciflora</i> Mart.	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Chamaedorea pavoniana</i> H.Wendl. ex Dammer	Peru ? (8020)	?	?	8020	
<i>Chamaedorea pinnatifrons</i> (Jacq.f.) Oersted	Colombia nt (8020), Ecuador ? (9000), Venezuela nt (8020)	nt	nt	8020	Y
<i>Chamaedorea pittieri</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea pochutlensis</i> Liebm. ex Mart.	Mexico I (8020)	I	I	8020	
<i>Chamaedorea poeppigiana</i> (Mart.) A.Gentry	Ecuador ? (9000), Peru (eastern slope of Andes) ? (8801)	?	?	8801	Y
<i>Chamaedorea polyclada</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Chamaedorea pulchra</i> Burret	Guatemala (Alta Verapaz Department) E (8743)	E	E	8020	
<i>Chamaedorea pumila</i> H.Wendl. ex Dammer	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea pygmaea</i> H.Wendl.	Costa Rica ? (8020), Panama ? (8020), Colombia ? (8020)	V	V	8020	Y
<i>Chamaedorea quetzalteca</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea radicalis</i> Mart.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea rhombea</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Chamaedorea rigida</i> H.Wendl. ex Dammer	Mexico I (8020)	I	I	8020	
<i>Chamaedorea rojasiana</i> Standley & Steyerf.	Guatemala I (8020), Mexico E (8020)	I	I	8020	Y
<i>Chamaedorea ruizii</i> H.Wendl. ex Dammer	Peru ? (8020)	?	?	8020	
<i>Chamaedorea sartorii</i> Liebm.	Guatemala ? (9998), Honduras ? (8020), Mexico R (8020)	?	?	8020	Y
<i>Chamaedorea scheryi</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea schiedeana</i> Mart.	Veracruz I (9114)	I	I	8020	
<i>Chamaedorea schippii</i> Burret	Belize ? (8020), Guatemala ? (8020)	I	I	8020	Y
<i>Chamaedorea seibertii</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea seifrizii</i> Burret	Yucatan E (9114), Tabasco E (9114)	E	E	8020	Y
<i>Chamaedorea simplex</i> Burret	Guatemala I (8020), Mexico E (8743)	I	I	8020	Y
<i>Chamaedorea skutchii</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea smithii</i> A.Gentry	Peru (Rondayacu Podocarp forests) V (8801)	V	V	8801	
<i>Chamaedorea sphaerocarpa</i> Burret	Nicaragua ? (8020)	?	?	8020	
<i>Chamaedorea stenocarpa</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea stolonifera</i> H.Wendl. ex Hook.	Mexico (south) E (9114)	E	E	8020	
<i>Chamaedorea stricta</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea tenella</i> H.Wendl.	Mexico E (8020)	E	E	8020	
<i>Chamaedorea tenerrima</i> Burret	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea tepejilote</i> Liebm. ex Mart.	Costa Rica ? (9998), El Salvador ? (9998), Guatemala ? (9998), Honduras ? (9998), Mexico V (8020), Nicaragua ? (9998), Panama ? (9998), Colombia ? (8020)	?	?	8020	Y

See end for explanation of Fields labelled 1 to 4

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Chamaedorea terryorum</i> Standley	Panama I (8020)	I	I	8020	
<i>Chamaedorea tuerckheimii</i> (Dammer) Burret	Guatemala I (8020), Veracruz E (9114)	I	I	8020	Y
<i>Chamaedorea vulgata</i> Standley & Steyerf.	Guatemala I (8020)	I	I	8020	
<i>Chamaedorea warscewiczii</i> H.Wendl.	Costa Rica V (8020)	V	V	8020	
<i>Chamaedorea wedeliana</i> L.H.Bailey	Panama I (8020)	I	I	8020	
<i>Chamaedorea woodsoniana</i> L.H.Bailey	Costa Rica ? (8020), Panama ? (8020)	?	?	8020	Y
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (a) <i>caudata</i> Burret)	Ecuador ? (8020)	?	?	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (b) <i>corallina</i> Karsten)	Colombia ? (8020)	?	?	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (c) <i>fragrans</i> Ruiz & Pavon)	Peru I (8020)	I	I	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (e) <i>linearis</i> (Ruiz & Pavon) Mart.)	Peru I (8020)	I	I	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (f) <i>macrocarpa</i> Burret)	Peru I (8020)	I	I	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (g) <i>microspadix</i> Burret)	Ecuador ? (8020)	?	?	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (h) <i>montana</i> (H. & B.) Burret)	Colombia ? (8020)	?	?	9995	
<i>Chamaedorea</i> sp. (= <i>Morenia</i> (j) <i>robusta</i> Burret)	Colombia ? (8020)	?	?	9995	
<i>Chelyocarpus chuco</i> (Mart.) H.E.Moore	Bolivia ? (8020), Brazil ? (8020), ? Peru ? (8020)	I	I	9996	Y
<i>Chelyocarpus dianeurus</i> (Burret) H.E.Moore	Colombia (west) E/V (8743)	E/V	E/V	9996	
<i>Chelyocarpus ulei</i> Dammer	Brazil I (8020), Ecuador ? (9000), Peru I (8020)	?	?	8020	Y
<i>Coccothrinax acunana</i> Leon	Cuba (Santiago de Cuba) K (9774)	K	K	9244	
<i>Coccothrinax alexandri</i> Leon ssp. <i>alexandri</i>	Cuba (Guantanamo) nt (9774)	nt	nt	9998	
<i>Coccothrinax alexandri</i> Leon ssp. <i>nitida</i> (Leon) Borhidi & Muniz	Cuba (Guantanamo) K (9774)	K	K	9996	
<i>Coccothrinax argentata</i> (Jacq.f.) L.H.Bailey	Bahamas nt (8766), Turks & Caicos ? (8766)	nt	nt	8020	Y
<i>Coccothrinax argentea</i> (Lodd. ex Sch.) Sarg. ex Becc.	Florida (Palm Beach to Marquesas Is) R (8020)	R			
<i>Coccothrinax australis</i> L.H.Bailey	Dominican Rep. ? (8020), Haiti ? (8020)	nt	nt	8020	Y
<i>Coccothrinax baracoensis</i> Borhidi & Muniz	Trinidad/Tobago ? (8020)	?	?	8020	
<i>Coccothrinax barbadensis</i> (Lodd. ex Mart.) Becc.	Cuba (Guantanamo) R (9774)	R	R	9244	
<i>Coccothrinax bermudezii</i> Leon	Antigua/Barbuda (both islands) ? (8767), Barbados ? (8767), Dominica ? (8767), Guadeloupe (incl. Marie Galante) ? (8767), Martinique ? (8767), Neth. Leeward I (only Saba) ? (8767), Puerto Rico ? (8902), St Lucia ? (8767), Trinidad/Tobago (both islands) ? (8767), South America ? (8902)	?	nt	8767	N
<i>Coccothrinax borhidiana</i> Muniz	Cuba (Guantanamo) K (9774)	K	K	9244	
<i>Coccothrinax camagueyana</i> Borhidi & Muniz	Cuba (Matanzas) E (5607)	E	E	5607	
<i>Coccothrinax clarensis</i> Leon ssp. <i>clarensis</i>	Cuba (Camaguey) R (9774)	R	R	9244	
<i>Coccothrinax clarensis</i> Leon ssp. <i>brevifolia</i> (Leon) Borhidi & Muniz	Cuba (VC; SS, CA) nt (9774)	nt	nt	9998	
<i>Coccothrinax concolor</i> Burret	Cuba (Sancti Spiritus) R (9774)	R	R	9996	
<i>Coccothrinax crinita</i> Becc. ssp. <i>crinita</i>	Haiti ? (8020)	?	?	8020	
<i>Coccothrinax crinita</i> Becc. ssp. <i>brevicrinis</i> Borhidi & Muniz	Cuba (Pinar del Rio) E (9774)	E	E	9774	
<i>Coccothrinax cupularis</i> (Leon) Borhidi & Muniz	Cuba (Cienfuegos; S. Spiritus) R (9774)	R	R	9774	
<i>Coccothrinax ekmanii</i> Burret	Cuba (PR; M; Ci) nt (9774)	nt	nt	9996	
<i>Coccothrinax elegans</i> Muniz & Borhidi	Dominican Rep. I (8020), Haiti ? (8020)	?	?	9996	Y
<i>Coccothrinax fagildei</i> Borhidi & Muniz	Cuba (Santiago de Cuba) nt (9774)	nt	nt	9244	
<i>Coccothrinax fragrans</i> Burret	Cuba (Santiago de Cuba) R (9268)	R	R	9268	
<i>Coccothrinax garciana</i> Leon	Cuba (Santiago de Cuba) K (9774)	K	K	9244	
<i>Coccothrinax gracilis</i> Burret	Cuba (Holguin) nt (9774)	nt	nt	9244	
	Haiti (Massif du N. & de la Hotte) ? (10874)	?	?	10874	

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Coccothrinax guantanamensis</i> (Leon)	Cuba (Guantanamo) K (9774)	K	K	9996	
Borhidi & Muniz					
<i>Coccothrinax gundlachii</i> Leon	Cuba (Santiago de Cuba) nt (9774)	nt	nt	9244	
<i>Coccothrinax hiorami</i> Leon	Cuba (Sant. de Cuba; Guantanamo) nt (9774)	nt	nt	9244	
<i>Coccothrinax inaguensis</i> R.W.Read	Bahamas R (8766), Turks & Caicos R (8766)	R	R	8020	Y
<i>Coccothrinax jamaicensis</i> R.W.Read	Jamaica nt (8020)	nt	nt	8020	
<i>Coccothrinax leonis</i> Muniz & Borhidi	Cuba (Guantanamo) K (9774)	K	K	9244	
<i>Coccothrinax litoralis</i> Leon	Cuba (PR; M; VC; Ci) nt (9774)	nt	nt	9244	
<i>Coccothrinax macroglossa</i> (Leon) Muniz & Borhidi	Cuba (Las Tunas; Holguin) nt (9774)	nt	nt	9996	
<i>Coccothrinax martii</i> (Griseb. & H.Wendl.) Becc.	Cuba K (9774)	K	K	9774	
<i>Coccothrinax microphylla</i> Borhidi & Muniz	Cuba (Guantanamo) K (9774)	K	K	9244	
<i>Coccothrinax miraguama</i> (H.B. & K.) Becc. ssp. <i>miraguama</i>	Cuba (widespread) nt (9774)	nt	nt	9998	
<i>Coccothrinax miraguama</i> (H.B. & K.) Becc. ssp. <i>arenicola</i> (Leon) Borhidi & Muniz	Cuba (Pinar del Rio; I. de Pines) nt (9774)	nt	nt	9996	
<i>Coccothrinax miraguama</i> (H.B. & K.) Becc. ssp. <i>havanensis</i> (Leon) Borhidi & Muniz	Cuba (La Habana) K (9774)	K	K	9996	
<i>Coccothrinax miraguama</i> (H.B. & K.) Becc. ssp. <i>roseocarpa</i> (Leon) Borhidi & Muniz	Cuba (La Habana; Matanzas) nt (9774)	nt	nt	9996	
<i>Coccothrinax moaensis</i> (Borhidi & Muniz) Muniz	Cuba (Holguin; Guantanamo) nt (9774)	nt	nt	9996	
<i>Coccothrinax montana</i> Burret	Dominican Rep. (Cordillera Central, 1 site) I (10874), Haiti (Massif de la Selle, 1 site) I (10874)	I	I	10874	Y
<i>Coccothrinax munizii</i> Borhidi	Cuba (Guantanamo) nt (9774)	nt	nt	8793	
<i>Coccothrinax muricata</i> Leon	Cuba (Cienfuegos) nt (9774)	nt	nt	9996	
<i>Coccothrinax nipensis</i> Borhidi & Muniz	Cuba (Holguin) R (9774)	R	R	9244	
<i>Coccothrinax orientalis</i> (Leon) Borhidi & Muniz	Cuba (Gu; Ho; SC) nt (9774)	nt	nt	9996	
<i>Coccothrinax pauciramosa</i> Burret	Cuba (Santiago de Cuba; Oriente) E (8743)	E	E	9244	
<i>Coccothrinax proctorii</i> Read	Cayman Is. ? (9214)	?	?	9214	
<i>Coccothrinax pseudorigida</i> Leon	Cuba (Camaguey) R (5607)	R	R	5607	
<i>Coccothrinax readii</i> Quero	Yucatan V (10263), Quintana Roo V (10263)	V	V	10263	Y
<i>Coccothrinax rigida</i> (Griseb. & H.Wendl.) Becc.	Cuba (Holguin) K (9774)	K	K	9244	
<i>Coccothrinax salvatoris</i> Leon ssp. <i>salvatoris</i>	Cuba (Camaguey; Tunas; Holguin) nt (9774)	nt	nt	9998	
<i>Coccothrinax salvatoris</i> Leon ssp. <i>loricata</i> (Leon) Borhidi & Muniz	Cuba (Camaguey; Las Tunas) K (9774)	K	K	9244	
<i>Coccothrinax savannarum</i> (Leon) Borhidi & Muniz	Cuba (Santiago de Cuba) I (5607)	I	I	5607	
<i>Coccothrinax saxicola</i> Leon	Cuba (Granma) nt (9774)	nt	nt	9244	
<i>Coccothrinax spissa</i> L.H.Bailey	Dominican Rep. nt (8020), Haiti ? (8020)	nt	nt	8020	Y
<i>Coccothrinax trinitensis</i> Borhidi & Muniz	Cuba (Sancti Spiritus) nt (9774)	nt	nt	9268	
<i>Coccothrinax victorini</i> Leon	Cuba (Granma) E (5607)	E	E	9244	
<i>Coccothrinax yunquensis</i> Borhidi & Muniz	Cuba (Guantanamo) R (9774)	R	R	9244	
<i>Coccothrinax yuraguana</i> (A.Rich.) Leon	Cuba (Pinar del Rio) nt (9774)	nt	nt	9996	
<i>Colpothrinax cookii</i> R.W.Read	Guatemala R (8743)	R	R	8020	
<i>Colpothrinax wrightii</i> Griseb. & H.Wendl.	Cuba (Pinar del Rio; I. de Pines) V (9774)	V	V	9244	
<i>Copernicia alba</i> Morong ex Morong & Britton	Argentina nt (8020), Bolivia nt (8020), Brazil nt (8020), Paraguay nt (8020)	nt	nt	8020	Y
<i>Copernicia baileyana</i> Leon	Cuba (SS; CA; C; T; G; Ho) nt (9774)	nt	nt	9244	
<i>Copernicia berteriana</i> Becc.	Dominican Rep. ? (8020), Haiti ? (8020)	I	I	8020	Y
<i>Copernicia brittonorum</i> Leon	Cuba (PR; M; Ci) R (5607)	R	R	9244	
<i>Copernicia cowellii</i> Britton & Wilson	Cuba (Camaguey) nt (9774)	nt	nt	9244	
<i>Copernicia curbeloi</i> Leon	Cuba (Camaguey; Tunas; Holguin) R (5607)	R	R	9244	
<i>Copernicia curtissii</i> Becc.	Cuba (PR; M; IP) nt (9774)	nt	nt	9774	
<i>Copernicia ekmanii</i> Burret	Haiti (north-west) E (8743)	E	E	8020	
<i>Copernicia fallaeensis</i> Leon	Cuba (VC; SS; CA; C) R (5607)	R	R	9774	
<i>Copernicia gigas</i> E.L.Ekman ex Burret	Cuba (SS; CA; C; T; G; Ho) R (5607)	R	R	9244	
<i>Copernicia glabrescens</i> H.Wendl. ex Becc.	Cuba (Pinar del Rio; La Habana) nt (9774)	nt	nt	9244	

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PALMAE (Cont.)					
<i>Copernicia hospita</i> Mart.	Cuba (widespread) nt (9774)	nt	nt	9244	
<i>Copernicia humicola</i> Leon	Cuba (Granma) E (5607)	E	E	9244	
<i>Copernicia longiglossa</i> Leon	Cuba (Las Tunas; Granma) I (5607)	I	I	9244	
<i>Copernicia macroglossa</i> H.Wendl. ex Becc.	Cuba (widespread) nt (9774)	nt	nt	9244	
<i>Copernicia molineti</i> Leon	Cuba (Sancti Spiritus; C. Avila) K (5607)	K	K	9244	
<i>Copernicia oxycalyx</i> Burret	Cuba (C; T; G; Ho) I (5607)	I	I	9244	
<i>Copernicia prunifera</i> (Miller) H.E.Moore	Brazil nt (8020)	nt	nt	8020	
<i>Copernicia rigida</i> Britton & Wilson	Cuba (VC; SS; CA; C; T; Ho; G) nt (9774)	nt	nt	9244	
<i>Copernicia roigii</i> Leon	Cuba (M; T; SC) R (5607)	R	R	9244	
<i>Copernicia tectorum</i> (H.B. & K.) Mart.	Colombia nt (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Copernicia yarey</i> Burret	Cuba (C; T; G; Ho; SC) nt (9774)	nt	nt	9244	
<i>Cryosophila albida</i> H.H.Bartlett	Costa Rica ? (8020), Panama ? (8020)	V	V	8020	Y
<i>Cryosophila argentea</i> H.H.Bartlett	Belize ? (8020), Guatemala ? (8020), Mexico V (8020)	?	?	8020	Y
<i>Cryosophila cookii</i> H.H.Bartlett	Costa Rica (Plains of Santo Clara) E (8743)	E	E	8020	
<i>Cryosophila guagara</i> P.H.Allen	Costa Rica V (8020)	V	V	8020	
<i>Cryosophila kalbreyeri</i> (Dammer ex Burret) Dahlgren	Colombia (northwest) E (8743)	E	E	8020	
<i>Cryosophila nana</i> (H.B. & K.) Blume ex Salomon	Mexico V (8020)	V	V	8020	
<i>Cryosophila warszewiczii</i> (H.Wendl.) H.H.Bartlett	Costa Rica V (8020), Nicaragua ? (8020), Panama ? (8020)	?	?	8020	Y
<i>Cryosophila williamsii</i> P.H.Allen	Honduras I (8020)	I	I	8020	
<i>Desmoncus anomalus</i> H.H.Bartlett	Guatemala ? (8020)	?	?	8020	
<i>Desmoncus brevisectus</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Desmoncus caespitosus</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus campylacanthus</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Desmoncus chinantlensis</i> Liebm. ex Mart.	Mexico ? (8020)	?	?	8020	
<i>Desmoncus costaricensis</i> (O.Kuntze) Burret	Costa Rica ? (8785)	?	?	8785	
<i>Desmoncus duidensis</i> Steyerf.	Venezuela ? (8020)	?	?	8020	
<i>Desmoncus ferox</i> H.H.Bartlett	Belize ? (8020), Guatemala ? (8020)	?	?	8020	Y
<i>Desmoncus inermis</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus isthmus</i> L.H.Bailey	Panama ? (8020)	?	?	8020	
<i>Desmoncus kuhlmannii</i> Burret	Bolivia ? (8020)	?	?	8020	
<i>Desmoncus latisectus</i> Burret	Bolivia ? (8020)	?	?	8020	
<i>Desmoncus leiorhachis</i> Burret	Belize ? (8020), Guatemala ? (8020)	?	?	8020	Y
<i>Desmoncus leptochaete</i> Burret	Costa Rica ? (8020)	?	?	8020	
<i>Desmoncus leptospadix</i> Mart.	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Desmoncus longifolius</i> Mart.	Peru ? (8020)	?	?	8020	
<i>Desmoncus lundellii</i> H.H.Bartlett	Guatemala ? (8020)	?	?	8020	
<i>Desmoncus macroacanthos</i> Mart.	Brazil ? (8020), Guyana ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Desmoncus macrodon</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus mirandanus</i> L.H.Bailey	Venezuela ? (8020)	?	?	8020	
<i>Desmoncus mitis</i> Mart.	Brazil ? (8020), Ecuador ? (9000)	?	?	8020	Y
<i>Desmoncus nemorosus</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus oligacanthus</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus orthacanthos</i> Mart.	Trinidad/Tobago (both islands) ? (8020)	?	nt	8020	Y
	Bolivia nt (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Guyana ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt			
<i>Desmoncus philippianus</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus phoenicocarpus</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus polyacanthos</i> Mart.	St Vincent (N. side, Mt St Andrews) ? (8767), Trinidad/Tobago ? (8020)	?	nt	8020	Y
	Brazil nt (8020), French Guiana ? (8020), Guyana ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt			
<i>Desmoncus prunifer</i> Poeppig ex Mart.	Peru ? (8020)	?	?	8020	
<i>Desmoncus pumilus</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Desmoncus pycnanthos</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Desmoncus quasillarius</i> H.H.Bartlett	Belize ? (8020), Guatemala ? (8020)	?	?	8020	Y
<i>Desmoncus riparius</i> Spruce	Brazil ? (8020), Suriname ? (8020)	?	?	8020	Y
<i>Desmoncus schippii</i> Burret	Belize ? (8020), Guatemala ? (8020)	?	?	8020	Y
<i>Desmoncus setosus</i> Mart.	Brazil ? (8020)	?	?	8020	

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PALMAE (Cont.)					
Desmoncus tenerimus (Drude) Mart. ex Burret	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
Desmoncus uaxactunensis H.H.Bartlett	Guatemala ? (8020)	?	?	8020	
Desmoncus vacivus L.H.Bailey	Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
Dictyocaryum fuscum (Karsten) H.Wendl.	Venezuela nt (8020)	nt	nt	8020	
Dictyocaryum globiferum Dugand	Colombia ? (8020)	?	?	8020	
Dictyocaryum lamarckianum (Mart.) H.Wendl.	Bolivia V (8020), Ecuador ? (9000), Peru (Pasco and San Martin) V (8801)	?	?	8020	Y
Dictyocaryum platysepalum Burret	Colombia ? (8020)	?	?	8020	
Dictyocaryum schultzei Burret	Colombia ? (8020)	?	?	8020	
Dictyocaryum superbum Burret	Ecuador ? (8020)	?	?	8020	
Elaeis oleifera (H.B. & K.) Cortes	Costa Rica ? (8020), Panama ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Guyana ? (8020), Suriname ? (8020)	V	V	8020	Y
Euterpe andicola Brongn. ex Mart.	Bolivia ? (8020)	?	?	8020	
Euterpe andina Burret	Colombia ? (8020)	?	?	8020	
Euterpe aphanolepis Burret	Colombia ? (8020)	?	?	8020	
Euterpe aurantiaca H.E.Moore	Venezuela R (8020)	R	R	8020	
Euterpe brachyclada Burret	Colombia ? (8020)	?	?	8020	
Euterpe brevicaulis Burret	Colombia ? (8020)	?	?	8020	
Euterpe broadwayae Becc. ex Broadway	Trinidad/Tobago (only Tobago) ? (8020)	?	?	8020	
Euterpe catanga A.R.Wallace	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
Euterpe chaenostachys Burret	Ecuador ? (8020)	?	?	8020	
Euterpe concinna Burret	Brazil ? (8020)	?	?	8020	
Euterpe confertiflora L.H.Bailey	Trinidad/Tobago (only Trinidad) ? (8020)	?	?	8020	
Euterpe cuatrecasasana Dugand	Colombia (Pacific coast) V (8743), ? Ecuador ? (8743)	V	V	8020	Y
Euterpe dasystachys Burret	Colombia ? (8020)	?	?	8020	
Euterpe dominicana L.H.Bailey	Dominica nt (8767), Grenada ? (8767), St Vincent ? (8767)	nt	nt	8020	Y
Euterpe edulis Mart.	Argentina (Iguazu NP) ? (8901), Brazil (Atlantic forest) ? (8743)	V	V	8020	Y
Euterpe erubescens H.E.Moore	Venezuela R (8020)	R	R	8020	
Euterpe frigida (H.B. & K.) Burret	Colombia ? (8020)	?	?	8020	
Euterpe haenkeana Brongn. ex Mart.	Bolivia ? (8020)	?	?	8020	
Euterpe jatapuensis Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Euterpe kalbreyeri Burret	Colombia ? (8020)	?	?	8020	
Euterpe karsteniana F.Engel	Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
Euterpe latisepta Burret	Colombia ? (8020)	?	?	8020	
Euterpe longevaginata Mart.	Bolivia ? (8020)	?	?	8020	
Euterpe longibracteata Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Euterpe macrospadix Oersted	Belize ? (9998), Costa Rica ? (9998), Guatemala ? (8020), Honduras ? (9998), Nicaragua ? (8020), Panama ? (8020)	V	V	8020	Y
Euterpe microcarpa Burret	Colombia ? (8020)	?	?	8020	
Euterpe microspadix Burret	Ecuador ? (8020)	?	?	8020	
Euterpe montis-duida Burret ex Gleason	Venezuela R (8020)	R	R	8020	
Euterpe oleracea Mart.	Trinidad/Tobago (only Trinidad) ? (8020), Brazil V (8020), French Guiana nt (8020), Guyana V (8020), Suriname nt (8020), Venezuela V (8020)	?	?	8020	Y
Euterpe oocarpa Burret	Colombia ? (8020)	?	?	8020	
Euterpe parviflora Burret	Colombia ? (8020)	?	?	8020	
Euterpe pertenuis L.H.Bailey	Trinidad/Tobago ? (8020)	?	?	8020	
Euterpe petiolata Burret	Brazil ? (8020)	?	?	8020	
Euterpe praga (H.B. & K.) Sprengel	Venezuela ? (8020)	?	?	8020	
Euterpe precatoria Mart.	Trinidad/Tobago (only Trinidad) ? (8020), Bolivia nt (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
Euterpe ptariana Steyerem.	Venezuela R (8020)	R	R	8020	
Euterpe purpurea F.Engel	Colombia ? (8020)	?	?	8020	
Euterpe rhodoxyla Dugand	Colombia ? (8020)	?	?	8020	
Euterpe roraimae Dammer	Brazil ? (8020), Guyana ? (8020), Venezuela ? (8020)	I	I	8020	Y
Euterpe simiarum (Standl. & Williams) H.E.Moore	Nicaragua ? (8020)	?	?	8020	
Euterpe simplicifrons Burret	Colombia ? (8020)	?	?	8020	
Euterpe tobagonis L.H.Bailey	Trinidad/Tobago (only Tobago) ? (8020)	?	?	8020	
Euterpe williamsii Glassman	Nicaragua ? (8020)	?	?	8020	

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PALMAE (Cont.)					
<i>Euterpe zephyria</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Gastrococos crispa</i> (H.B. & K.) H.E.Moore	Cuba (widespread) nt (9774)	nt	nt	9244	
<i>Gaussia attenuata</i> (O.F.Cook) Becc.	Puerto Rico I (8020)	I	I	9148	
<i>Gaussia gomez-pompae</i> (Quero) Quero	Mexico (Oaxaca to Tabasco) V (9148)	V	V	9996	
<i>Gaussia maya</i> (O.F.Cook) Quero & Read	Belize ? (8020), Guatemala ? (8020), Mexico (Oaxaca, Veracruz & Q. Roo) V (9997)	V	V	9996	Y
<i>Gaussia princeps</i> H.Wendl.	Cuba (Pinar del Rio) nt (9148)	nt	nt	9148	
<i>Geonoma acaulis</i> Mart.	Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)	?	?	8020	Y
<i>Geonoma appuniana</i> Spruce	Brazil ? (8020), Guyana R (8020), Venezuela R (8020)	?	?	8020	Y
<i>Geonoma arundinacea</i> Mart.	Brazil ? (8020), Ecuador ? (9000)	?	?	8020	Y
<i>Geonoma aspidiifolia</i> Spruce	Brazil ? (8020)	?	?	8020	
<i>Geonoma baculifera</i> (Poit.) Kunth	Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname nt (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Geonoma bartlettii</i> Burret	? Ecuador ? (8020), Guyana ? (8020), ? Peru ? (8020)	?	?	8020	Y
<i>Geonoma blanchetiana</i> H.Wendl. ex Drude	Brazil ? (8020)	?	?	8020	
<i>Geonoma brevispatha</i> Barb. Rodr.	Brazil ? (8020), Paraguay ? (8020)	?	?	8020	Y
<i>Geonoma brongniartii</i> Mart.	Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)	?	?	8020	Y
<i>Geonoma calyptrigynoides</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Geonoma camana</i> Trail	Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Geonoma chlamydostachys</i> Galeano	Colombia (S.E. Antioquia, 300-1000 m) ? (10740)	?	?	10740	
<i>Geonoma chocoicola</i> J.G.W.Boer	Colombia ? (8020)	?	?	8020	
<i>Geonoma congesta</i> H.Wendl. ex Spruce	Costa Rica V (8020), Nicaragua ? (8020), Panama V (8020)	?	?	8020	Y
<i>Geonoma cuneata</i> H.Wendl. ex Spruce	Costa Rica V (8020), Nicaragua ? (8020), Panama V (8020), Colombia ? (8020)	?	?	8020	Y
<i>Geonoma densa</i> Linden & H.Wendl. ex H.Wendl.	Colombia ? (8020), ? Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Geonoma densiflora</i> Spruce	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Geonoma deversa</i> (Poit.) Kunth	Belize ? (8020), Costa Rica V (8020), Guatemala ? (8020), Honduras ? (8020), Nicaragua ? (8020), Panama ? (8020), Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Geonoma dicranospadix</i> Burret	Colombia ? (8020), ? Peru ? (8020)	?	?	8020	Y
<i>Geonoma divisa</i> H.E.Moore	Colombia (Choco) ? (9149)	?	?	9149	
<i>Geonoma dussiana</i> Becc.	Dominica ? (8767), Guadeloupe ? (8767), Martinique ? (8767)	nt	nt	9996	Y
<i>Geonoma elegans</i> Mart.	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Geonoma epetiolata</i> H.E.Moore	Panama ? (9149)	?	?	9149	
<i>Geonoma eupathia</i> Burret	Bolivia ? (8020), Colombia ? (8020), Ecuador ? (9000), Suriname ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Geonoma ferruginea</i> H.Wendl. ex Spruce	Costa Rica E (8020), ? Guatemala (1 doubtful coll.) K (8020), Honduras I (9998), Nicaragua ? (9998), Panama ? (8020)	V	V	8020	Y
<i>Geonoma fiscellaria</i> Mart. ex Drude	Brazil ? (8020)	?	?	8020	
<i>Geonoma fusca</i> J.G.W.Boer	Guyana ? (8794)	?	?	8794	
<i>Geonoma gamiova</i> Barb. Rodr.	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Geonoma gastoniana</i> Glaziou ex Drude	Brazil ? (8020)	?	?	8020	
<i>Geonoma gracilis</i> H.Wendl. ex Spruce	Costa Rica ? (8020), Panama ? (8020)	V	?	8020	Y
<i>Geonoma heinrichsiae</i> Burret	Ecuador ? (9000) Panama ? (8020), Colombia ? (8020), Ecuador ? (8020)	?	?	8020	Y
<i>Geonoma helminthoclada</i> Burret	Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Geonoma hoffmanniana</i> H.Wendl. ex Spruce	Costa Rica (Heredia Province) E (8743)	E	E	8020	
<i>Geonoma interrupta</i> (Ruiz & Pavon) Mart.	Costa Rica R (8020), Guatemala ? (8020), Honduras nt (8020), Mexico ? (8020), Colombia nt (8020), Ecuador ? (9000), Peru ? (8020)	nt	nt	8020	Y

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Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Geonoma juruana</i> Dammer	Brazil ? (8020), Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Geonoma jussieuana</i> Mart.	Bolivia ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (9997)	?	?	8020	Y
<i>Geonoma laxiflora</i> Mart.	Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)	?	?	8020	Y
<i>Geonoma lehmannii</i> Dammer ex Burret	Panama ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Geonoma leptospadix</i> Trail	Bolivia ? (8743), Brazil nt (8020), Colombia ? (8020), French Guiana (2 locs) R (8020), Guyana ? (8020), Peru ? (8020), Suriname nt (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Geonoma lindeniana</i> H.Wendl.	Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Geonoma longeuginata</i> H.Wendl. ex Spruce	Costa Rica V (8020)	V	V	8020	
<i>Geonoma macrostachys</i> Mart.	Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Geonoma marggraffia</i> F.Engel	Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Geonoma martinicensis</i> Mart.	Dominica ? (8767), Guadeloupe ? (8767), Martinique ? (8767), St Lucia ? (8767), St Vincent ? (8767)	nt	nt	9996	Y
<i>Geonoma maxima</i> (Poit.) Kunth	Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), French Guiana nt (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Geonoma megalospatha</i> Burret	Ecuador ? (9000), Peru ? (8020)	?	?	8020	Y
<i>Geonoma membranacea</i> H.Wendl. ex Spruce	Guatemala V (8020)	V	V	8020	
<i>Geonoma multiflora</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Geonoma oldemanii</i> de Granville	French Guiana (3 localities) R (8777)	R	R	8793	
<i>Geonoma oligoclada</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Geonoma oligoclona</i> Trail	Brazil ? (8020)	?	?	8020	
<i>Geonoma orbignyana</i> Mart.	Bolivia ? (8020)	?	?	8020	
<i>Geonoma oxycarpa</i> Mart.	Hispaniola (incl. Haiti) K (10874)	K	K	10874	
<i>Geonoma pachydica</i> Burret	Bolivia ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Geonoma paradoxa</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Geonoma paraguayensis</i> Karsten	Venezuela R (8020)	R	R	8020	
<i>Geonoma pauciflora</i> Mart.	Brazil R (8020)	R	R	8020	
<i>Geonoma pinnatifrons</i> Willd.	Dominica ? (8020), Guadeloupe ? (8020), Martinique ? (8020), St Lucia ? (8020), St Vincent ? (8020), Trinidad/Tobago (both islands) ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Geonoma piscicauda</i> Dammer	Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Peru ? (8020), Suriname nt (8020)	nt	nt	8020	Y
<i>Geonoma poeppigiana</i> Mart.	Peru ? (8020)	?	?	8020	
<i>Geonoma pohliana</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Geonoma poiteauana</i> Kunth	Brazil ? (8020), French Guiana I (8020), Guyana ? (8020), Suriname ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Geonoma procumbens</i> H.Wendl. ex Spruce	Costa Rica ? (8020), Nicaragua ? (8020), Panama ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Geonoma pulcherrima</i> Burret	Colombia ? (8020), Ecuador ? (8020)	?	?	8020	Y
<i>Geonoma pulchra</i> F.Engel	Colombia ? (8020)	?	?	8020	
<i>Geonoma pycnostachys</i> Mart.	Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Geonoma rodeiensis</i> Barb. Rodr.	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Geonoma rubescens</i> H.Wendl. ex Drude	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Geonoma schottiana</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Geonoma selieri</i> Burret	? Costa Rica ? (8785), Guatemala ? (8020), Nicaragua ? (8020)	V	V	8020	Y
<i>Geonoma simplicifrons</i> Willd.	Venezuela nt (8020)	nt	nt	8020	
<i>Geonoma sodiroi</i> Dammer ex Burret	Colombia ? (8020), Ecuador ? (8020)	?	?	8020	Y
<i>Geonoma spinescens</i> H.Wendl. ex Burret	Colombia ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Geonoma spixiana</i> Mart.	Brazil ? (8020)	?	?	8020	

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Geonoma stricta</i> (Poit.) Kunth	Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Geonoma tamandua</i> Trail	Brazil ? (8020), ? French Guiana ("not collected") ? (8777)	?	?	8020	Y
<i>Geonoma tenuissima</i> H.E.Moore	Ecuador (Los Rios Province) ? (10739)	?	?	10739	
<i>Geonoma triandra</i> (Burret) J.G.W.Boer	Panama ? (8020)	?	?	8020	Y
	Colombia V (8020)	V			
<i>Geonoma triglochis</i> Burret	Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), ? French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Geonoma trigona</i> (Ruiz Lopez & Pavon) A.Gentry	Peru (Pasco, 2800-3000 m) ? (8801)	?	?	8801	
<i>Geonoma trinervis</i> Drude & H.Wendl. ex Drude	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Geonoma umbraculiformis</i> J.G.W.Boer	French Guiana (3 locs, montane forest) R (8777), Suriname ? (8020)	?	?	8777	Y
<i>Geonoma undata</i> Klotzsch	Dominica ? (8020), Guadeloupe ? (8020), Martinique ? (8020)	?	nt	8020	Y
	Colombia nt (8020), Ecuador ? (9000), Venezuela ? (8020)	nt			
<i>Geonoma wittigiana</i> Glaziou ex Drude	Brazil ? (8020)	?	?	8020	
<i>Hyospathe elegans</i> Mart.	Costa Rica ? (9997), Panama ? (9997)	?	nt	8020	Y
	Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Guyana ? (8020), Peru ? (9997), Suriname ? (8020), Venezuela ? (9997)	nt			
<i>Hyospathe macrorhachis</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Hyospathe pedicellata</i> Skov & Balslev, ined.	Peru (Huanoco, one locality) I (10262)	I	I	10262	
<i>Iriartea corneto</i> (Karsten) H.Wendl.	Colombia ? (8020), ? Ecuador ? (8020)	?	?	8020	Y
<i>Iriartea deltoidea</i> Ruiz & Pavon	Ecuador ? (9000), Peru V (8020)	?	?	8020	Y
<i>Iriartea gigantea</i> H.Wendl. ex Burret	Costa Rica V (8020)	V	V	8020	
<i>Iriartea megalocarpa</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Iriartea phaeocarpa</i> Mart.	Bolivia ? (8020)	?	?	8020	
<i>Iriartea ventricosa</i> Mart.	Brazil nt (8020), Colombia ? (8020), Peru ? (8020)	nt	nt	8020	Y
<i>Iriartea weberbaueri</i> Burret	Peru ? (8020)	?	?	8020	
<i>Iriartella ferreyrae</i> H.E.Moore	Peru (Coronel Portillo & Loreto) R (8743)	R	R	8020	
<i>Iriartella setigera</i> (Mart.) H.Wendl.	Brazil nt (8020), Colombia ? (8020), Guyana ? (8020), Peru ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Iriartella stenocarpa</i> Burret	Brazil ? (10262), Peru ? (10262)	?	?	10262	Y
<i>Itaya amicornum</i> H.E.Moore	Brazil (Rio Javari, one coll.) E (8743), Peru (Loreto Department) E (8743)	E	E	8793	Y
<i>Jessenia bataua</i> (Mart.) Burret ssp. <i>bataua</i>	Bolivia K (8743), Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)	nt	nt	8020	Y
<i>Jessenia bataua</i> (Mart.) Burret ssp. <i>oligocarpa</i> (Griseb. & H.Wendl.) Balick	Trinidad/Tobago (Only Trinidad) I (10256)	I	?	9997	Y
	French Guiana nt (8020), Guyana I (10256), Suriname I (10256), Venezuela (northern and north-east) I (10256)	?			
<i>Juania australis</i> (Mart.) Drude	Juan Fernandez R	R	R		
<i>Jubaea chilensis</i> (Molina) Baillon	Chile V (8020)	V	V	8020	
<i>Leopoldinia insignis</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Leopoldinia major</i> A.R.Wallace	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Leopoldinia piassaba</i> A.R.Wallace	Brazil ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Leopoldinia pulchra</i> Mart.	Brazil ? (8020), Colombia ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Lepidocaryum allenii</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Lepidocaryum casiquiarensis</i> (Spruce) Drude	Brazil ? (8020), Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Lepidocaryum gracile</i> Mart.	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Lepidocaryum guainiense</i> (Spruce) Spruce ex Drude	Brazil ? (8020), Colombia ? (8020), Venezuela ? (8020)	?	?	8020	Y
<i>Lepidocaryum guianense</i> Becc.	Guyana ? (8020)	?	?	8020	
<i>Lepidocaryum macrocarpum</i> (Drude) Becc.	Brazil ? (8020)	?	?	8020	
<i>Lepidocaryum tenue</i> Mart.	Brazil ? (8020), ? Colombia ? (8020), Peru ? (8020)	?	?	8020	Y

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Lepidocaryum tessmannii</i> Burret	Colombia ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Lytocaryum hoehnei</i> (Burret) Toledo	Brazil (Atlantic forest) ? (8743)	?	?	9996	
<i>Lytocaryum insigne</i> (Hort. ex Drude) Tol.	Espírito Santo E (8743), Rio de Janeiro E (8743)	E	E	9996	Y
<i>Lytocaryum weddellianum</i> (H.Wendl.) Tol.	Rio de Janeiro E (8743)	E	E	9996	
<i>Manicaria atricha</i> Burret	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Manicaria martiana</i> Burret	Brazil ? (8020), Colombia ? (8020)	?	?	8020	Y
<i>Manicaria plukenetii</i> Griseb. & H.Wendl. ex Griseb.	Trinidad/Tobago (only Trinidad) ? (8020)	?	?	8020	
<i>Manicaria sacchifera</i> Gaertn.	Belize ? (9998), Costa Rica ? (9998), Guatemala ? (9998), Panama ? (9998), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana V (8020), Guyana ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Mauritia carana</i> A.R.Wallace	Brazil ? (8020), Colombia ? (8020), Venezuela R (8020)	I	I	8020	Y
<i>Mauritia flexuosa</i> L.f.	Trinidad/Tobago (only Trinidad) ? (8020), Bolivia ? (8020), Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Guyana ? (8020), Peru nt (8020), Suriname ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Mauritiella aculeata</i> (H.B. & K.) Burret	Brazil nt (8020), Colombia ? (8020), Venezuela ? (8020)	nt	nt	8020	Y
<i>Mauritiella armata</i> (Mart.) Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella campylostachys</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella cataractorum</i> Dugand	Colombia ? (8020)	?	?	8020	
<i>Mauritiella duckei</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella huebneri</i> (Burret) Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella intermedia</i> (Burret) Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella macroclada</i> (Burret) Burret	Colombia ? (8020)	?	?	8020	
<i>Mauritiella macrospadix</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella martiana</i> (Spruce) Burret	Brazil ? (8020), Guyana ? (8020), Suriname ? (8020)	?	?	9996	Y
<i>Mauritiella nannostachys</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Mauritiella pacifica</i> Dugand	Colombia (Pacific coast) V (8743), Ecuador ? (9000)	?	?	8020	Y
<i>Mauritiella peruviana</i> (Becc.) Burret	Peru ? (8020)	?	?	8020	
<i>Mauritiella pumila</i> (A.R.Wallace) Burret	Brazil ? (8020), ? Venezuela ? (8020)	?	?	8020	Y
<i>Mauritiella subinermis</i> (Spruce) Burret	Venezuela nt (8020)	nt	nt	8020	
<i>Maximiliana maripa</i> (Correa) Drude	Trinidad/Tobago ? (9997)	?	nt	8774	?
	Brazil ? (8774), Colombia ? (8774), Ecuador ? (9000), French Guiana ? (8774), Peru ? (8774), Suriname ? (8774), Venezuela ? (8774)	nt			
<i>Neonicholsonia watsonii</i> Dammer	Costa Rica (3 provinces) E (8743), Panama (Chiriqui Province) E (8743)	E	E	8020	Y
<i>Oenocarpus bacaba</i> Mart.	Brazil ? (8020), Colombia ? (8020), French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8798)	nt	nt	8020	Y
<i>Oenocarpus circumtextus</i> Mart.	Brazil (Rio Japura) K (8743), Colombia E (8020)	K	K	8020	Y
<i>Oenocarpus discolor</i> Barb. Rodr.	Brazil I (8020)	I	I	8020	
<i>Oenocarpus distichus</i> Mart.	Brazil (Maranhão & Pará) V (8795)	V	V	8020	
<i>Oenocarpus macrocalyx</i> Burret	Brazil (Humayta, Amazonas) V (8795)	V	V	8020	
<i>Oenocarpus mapora</i> Karsten ssp. <i>mapora</i>	Costa Rica E (8795), Panama E (8795)	E	nt	9998	Y
	South America (northern half) nt (8795)	nt			
<i>Oenocarpus mapora</i> Karsten ssp. <i>dryanderæ</i> (Burret) Balick	Colombia (Buenaventura & environs) V (8743)	V	V	9996	
<i>Oenocarpus minor</i> Mart. ssp. <i>minor</i>	Brazil ? (9998)	?	?	9998	
<i>Oenocarpus minor</i> Mart. ssp. <i>intermedius</i> (Burret) Balick	Brazil (Amazonas; Pará) V (8020)	V	V	9996	
<i>Oenocarpus tarampabo</i> Mart.	Bolivia (Beni) ? (8795), Brazil (Rondonia) ? (8795)	I	I	8020	Y
<i>Orbignya barbosiana</i> Burret	Brazil nt (8020), Guyana ? (8020), Suriname ? (8020)	nt	nt	9996	Y
<i>Orbignya campestris</i> Barb. Rodr.	Brazil ? (8020)	?	?	8020	
<i>Orbignya cohune</i> (Mart.) Dahlgren ex Standley	Belize ? (8020), El Salvador ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico (southern) R (8020)	nt	nt	8020	Y
<i>Orbignya cuatrecasana</i> Dugand	Colombia I (8020)	I	I	8020	
<i>Orbignya eichleri</i> Drude	Brazil ? (8020)	?	?	8020	

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
Orbignya guacuyule (Liebm. ex Mart.) Hernandez	Mexico ? (8020)	?	?	8020	
Orbignya humilis Mart.	Bolivia ? (8020)	?	?	8020	
Orbignya longibracteata Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Orbignya luetzelburgii Burret	Brazil ? (8020), Colombia ? (8020)	?	?	9996	Y
Orbignya macrocarpa Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Orbignya phalerata Mart.	Bolivia ? (8020)	?	?	8020	
Orbignya pixuna (Barb. Rodr.) Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Orbignya polysticha Burret	Peru I (8020), Venezuela ? (8793)	?	?	8020	Y
Orbignya sabulosa Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Orbignya sagotii Trail ex Im Thurn	French Guiana ? (8020), Guyana ? (8020), Suriname nt (8020)	nt	nt	9996	Y
Orbignya spectabilis (Mart.) Burret	Brazil ? (8020), French Guiana nt (8793), Suriname ? (8020)	nt	nt	9996	Y
Orbignya urbaniana Dammer	Brazil ? (8020)	?	?	8020	
Orbignya sp. (= Attalea crassispata (Mart.) Burret)	Haiti (southwestern peninsula) E (8743)	E	E	9995	
Palandra aequatorialis (Spruce) O.F.Cook	Ecuador ? (8020)	?	?	9996	
Parajubaea cocoides Burret	Ecuador V (8020)	V	V	8020	
Parajubaea torallyi (Mart.) Burret	Bolivia E (8020)	E	E	8020	
Pholidostachys dactyloides H.E.Moore	Colombia (west) V (8743), Ecuador ? (9000)	?	?	9996	Y
Pholidostachys pulchra H.Wendl. ex Burret	Costa Rica V (8020)	V	V	9996	
Pholidostachys synanthera (Mart.) H.E.Moore	Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru I (8020)	?	?	9996	Y
Phytelephas brachelus O.F.Cook	Panama ? (8020)	?	?	8020	
Phytelephas brachinus O.F.Cook	Panama ? (8020)	?	?	8020	
Phytelephas brevipes O.F.Cook	Panama ? (8020)	?	?	8020	
Phytelephas cornutus O.F.Cook	Panama ? (8020)	?	?	8020	
Phytelephas dasyneura Burret	Colombia ? (8020)	?	?	8020	
Phytelephas karstenii O.F.Cook	Colombia ? (8020)	?	?	8020	
Phytelephas longiflora O.F.Cook	Venezuela ? (8020)	?	?	8020	
Phytelephas macrocarpa Ruiz & Pavon	Peru I (8020)	I	I	8020	
Phytelephas microcarpa Ruiz & Pavon	Brazil ? (8020), Ecuador ? (9000), Peru nt (8020)	nt	nt	8020	Y
Phytelephas pittieri O.F.Cook	Panama ? (8020)	?	?	8020	
Phytelephas schottii H.Wendl.	Colombia ? (8020)	?	?	8020	
Phytelephas seemannii O.F.Cook	Panama ? (8020), Colombia ? (8020)	V	V	8020	Y
Phytelephas tumacana O.F.Cook	Colombia ? (8020)	?	?	8020	
Polyandrococos caudescens (Mart.) Barb. Rodr.	Brazil (Atlantic forest) nt (8743)	nt	nt	8020	
Polyandrococos pectinata Barb. Rodr.	Brazil (Mato Grosso, ? elsewhere) ? (10262)	?	?	10262	
Prestoea acuminata (Willd.) H.E.Moore	Venezuela nt (8020)	nt	nt	8020	
Prestoea allenii H.E.Moore	Panama I (8020)	I	I	8020	
Prestoea asplundii H.E.Moore	Ecuador (Napo-Pastaza) ? (9150)	?	?	9150	
Prestoea cuatrecasasii H.E.Moore	Colombia (Santander del Norte) ? (9150)	?	?	9150	
Prestoea darienensis A.Henderson	Panama (Serrania de Pirre) ? (10738)	?	?	10738	
Prestoea decurrens (H.Wendl. ex Burret) H.E.Moore	Costa Rica V (8020)	V	V	8020	
Prestoea ensiformis (Ruiz & Pavon) H.E.Moore	Peru I (8020)	I	I	8020	
Prestoea longipetiolata (Oersted) H.E.Moore	Costa Rica V (8020)	V	V	8020	
Prestoea megalochlamys (Burret) H.E.Moore	Peru I (8020)	I	I	8020	
Prestoea montana (Graham) Nicholson	Cuba (G; Gu; SC) ? (9774), Dominica ? (8767), Dominican Rep. V (8743), Grenada ? (8767), Guadeloupe ? (8767), Haiti I (8743), Martinique ? (8767), Montserrat ? (8767), Neth. Leeward I (Saba only) ? (8020), Puerto Rico ? (8020), St Kitts-Nevis (both islands) ? (8767), St Lucia ? (8767), St Mart & St Bt (St Martin only) ? (8767), St Vincent ? (8767)	nt	nt	8020	N
Prestoea pubens H.E.Moore	Colombia (Del Valle) ? (9150)	?	?	9150	
Prestoea pubigera (Gr. & Wendl.) Benth. & Hook.	Trinidad/Tobago ? (8020)	?	?	8020	Y
Prestoea roseospadix (L.H.Bailey) H.E.Moore	Venezuela R (8798)	R			
	Panama I (8020)	I	I	8020	

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Prestoea schultzeana</i> (Burret) H.E.Moore	Ecuador ? (8020)	?	?	9996	
<i>Prestoea sejuncta</i> L.H.Bailey	Panama I (8020), Ecuador ? (9000)	?	?	8020	Y
<i>Prestoea simplicifolia</i> Galeano	Colombia (Antioquia) ? (10265)	?	?	10265	
<i>Prestoea steyermarkii</i> H.E.Moore	Venezuela R (8020)	R	R	8020	
<i>Prestoea tenuiramosa</i> (Dammer) H.E.Moore	Venezuela R (8020)	R	R	8020	
<i>Prestoea trichoclada</i> (Burret) Balslev & A.Henderson	Ecuador ? (8020)	?	?	9996	
<i>Prestoea</i> sp. (= <i>Euterpe brachyspatha</i> Burret)	Costa Rica V (8020)	V	V	9995	
<i>Pseudophoenix ekmanii</i> Burret	Dominican Rep. (Barahona Province) R	R	R		
<i>Pseudophoenix lediniana</i> R.W.Read	Haiti V (8020)	V	V	2014	
<i>Pseudophoenix sargentii</i> H.A.Wendl. ex Sarg. ssp. <i>sargentii</i>	Florida E (8020) Belize I (8020), Yucatan E/V (9019), Quintana Roo E/V (9019)	E	V	8020	Y
<i>Pseudophoenix sargentii</i> H.Wendl. ex Sarg. ssp. <i>saonae</i> (O.F.Cook) R.W. Read	Bahamas V (8766), Cuba (VC; CA; C; T; Ho) ? (9774), Dominica E (8767), Dominican Rep. ? (8020), Haiti ? (8020), Navassa I. nt (8020), Puerto Rico (Mona I.) E (8020), Florida (south) ? (8766), Turks & Caicos ? (8766)	nt	nt	8020	Y
<i>Pseudophoenix vinifera</i> (Mart.) Becc.	Dominican Rep. ? (8020), Haiti ? (8020)	nt	nt	8020	Y
<i>Raphia taedigera</i> (C.Martius) C.Martius	Costa Rica nt, Nicaragua ?, Panama ?, Brazil nt, Colombia ?	nt	nt		Y
<i>Reinhardtia elegans</i> Liebm. ex Mart.	Mexico I (8020)	I	I	8020	
<i>Reinhardtia gracilis</i> (H.Wendl.) Drude ex Dammer var. <i>gracilis</i>	Belize ? (8020), Guatemala ? (8020), Honduras ? (8020)	?	?	8020	Y
<i>Reinhardtia gracilis</i> (H.Wendl.) Drude ex Dammer var. <i>gracilior</i> (Burret) H.E. Moore	Belize ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico R (8020)	?	?	8020	Y
<i>Reinhardtia gracilis</i> (H.Wendl.) Drude ex Dammer var. <i>rostrata</i> (Burret) H.E. Moore	Costa Rica V (8020), Nicaragua ? (8020)	?	?	8020	Y
<i>Reinhardtia gracilis</i> (H.Wendl.) Drude ex Dammer var. <i>tenuissima</i> H.E.Moore	Mexico I (8020)	I	I	8020	
<i>Reinhardtia koschnyana</i> (H.Wendl. & Dammer) Burret	Costa Rica (Alajuela Province) E (8743), Nicaragua (Zelaya Department) V (8743), Panama (Darién) E (8743)	V	V	8020	Y
<i>Reinhardtia latisecta</i> (H.Wendl.) Burret	Colombia (Antioquia and Choco) E (8743) Belize ? (8020), Guatemala ? (8020)	E	I	8020	Y
<i>Reinhardtia paiewonskiana</i> Read, Zanoni & Mejia	Dominican Rep. (Mts of Barahona) E (10744)	E	E	10744	
<i>Reinhardtia simplex</i> (H.Wendl.) Drude ex Dammer	Belize ? (8797), Costa Rica E (9998), Honduras ? (8020), Nicaragua ? (9998), Panama E (8020)	?	?	8020	Y
<i>Rhapidophyllum hystrix</i> (Pursh) H.A.Wendl. & Drude	Alabama (southern) R (8317), Florida R (8317), Georgia (US) (south-eastern) R (8317), Mississippi (southern) R (8317), S. Carolina R (8317)	R	V		Y
<i>Roystonea altissima</i> (Miller) H.E.Moore	Jamaica nt (8020)	nt	nt	8020	
<i>Roystonea borinquena</i> O.F.Cook	Puerto Rico nt (8020)	nt	nt	8020	
<i>Roystonea dunlapiana</i> P.H.Allen	Honduras ? (8020)	?	?	8020	
<i>Roystonea elata</i> (Bartram) F.Harper	Florida E (2014)	E	E	2014	
<i>Roystonea hispaniolana</i> L.H.Bailey	Bahamas ? (8766), Dominican Rep. (abundant, many situations) nt (8766), Haiti (abundant, many situations) nt (8766)	nt	nt	8020	Y
<i>Roystonea jenmanii</i> (Wright) Burret	Guyana ? (8020)	?	?	8020	
<i>Roystonea lenis</i> Leon	Cuba (Guantanamo) nt (9774)	nt	nt	9244	
<i>Roystonea oleracea</i> (Jacq.f.) O.F.Cook	Barbados ? (8767), Dominica ? (8767), Guadeloupe ? (8767), Martinique ? (8767), Trinidad/Tobago (both islands) ? (8767)	nt	nt	8020	Y
<i>Roystonea princeps</i> (Becc.) Burret	Guyana ? (8020), Venezuela ? (8767)	?			
<i>Roystonea regia</i> (H.B. & K.) O.F.Cook var. <i>regia</i>	Jamaica nt (8020)	nt	nt	8020	
<i>Roystonea regia</i> (H.B. & K.) O.F.Cook var. <i>hondurensis</i> Allen	Cuba (throughout) nt (9774)	nt	nt	9244	
<i>Roystonea regia</i> (H.B. & K.) O.F.Cook var. <i>pinguis</i> L.H.Bailey	Honduras ? (8020)	?	?	8020	
<i>Roystonea regia</i> (H.B. & K.) O.F.Cook var. <i>pinguis</i> L.H.Bailey	Cuba (Guantanamo) R (9774)	R	R	9244	

See end for explanation of Fields labelled 1 to 4

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<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
Roystonea stellata Leon	Cuba (Guantanamo) I (5607)	I	I	9244	
Roystonea venezuelana L.H.Bailey	Venezuela nt (8020)	nt	nt	3020	
Roystonea violacea Leon	Cuba (Guantanamo) I (5607)	I	I	9244	
Sabal bermudana L.H.Bailey	Bermuda E (8020)	E	E	8020	
Sabal causiarum (O.F.Cook) Becc.	Puerto Rico K (8020)	K	K	8020	
Sabal domingensis Becc.	Dominican Rep. nt (8020)	nt	nt	8020	
Sabal dugesii S.Watson ex L.H.Bailey	Guanajuato (Guanajuato City, c. 2000 m) I (8743)	I	I	8020	
Sabal etonia Swingle ex Nash	Florida nt (8020)	nt	nt	8020	
Sabal haitiensis Becc.	Haiti ? (8020)	?	?	8020	
Sabal jamaicensis Becc.	Jamaica nt (8020)	nt	nt	8020	
Sabal mauritiaeformis (Karsten) Griseb. & H.Wendl.	Belize ? (8020), Guatemala ? (8020), Panama ? (8799)	?	nt	8020	Y
	Trinidad/Tobago nt (8020), Colombia ? (8020), Venezuela nt (8020)	nt			
Sabal mexicana Mart.	Texas nt (8020)	nt	nt	8020	Y
	Guatemala ? (8020), Mexico ? (8020)	?			
Sabal minor (Jacq.f.) Pers.	U.S. nt (8020)	nt	nt	8020	
Sabal palmetto (Walter) Lodd. ex Schultes	Bahamas ? (8766), Turks & Caicos ? (8766)	?	nt	8020	Y
	U.S. (N. Carolina to Florida) nt (8020)	nt			
Sabal parviflora Becc.	Cuba (throughout) nt (9774)	nt	nt	9244	
Sabal pumos (H.B. & K.) Burret	Mexico R (8020)	R	R	8020	
Sabal rosei (O.F.Cook) Becc.	Mexico nt (8020)	nt	nt	8020	
Sabal uresana Trelease	Mexico R (8020)	R	R	8020	
Sabal yapa C.Wright ex Becc.	Cuba (PR; IP; H; M) nt (9774), Belize I (8020), Guatemala I (8020), Mexico nt (8020)	nt	nt	8020	Y
Scheelea amyloacea Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Scheelea anisitsiana Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Scheelea attaleoides Karsten	Colombia ? (8020)	?	?	8020	
Scheelea bassleriana Burret	Peru ? (8020)	?	?	8020	
Scheelea blepharopus (Mart.) Burret	Bolivia ? (8020)	?	?	8020	
Scheelea brachyclada Burret	Peru ? (8020)	?	?	8020	
Scheelea butyracea (Mutis ex L.f.) H.Wendl.	Colombia E (8020), Venezuela I (8743)	V	V	8020	Y
Scheelea cephalotes (Poppig ex Mart.) Karsten	Peru ? (8020)	?	?	8020	
Scheelea costaricensis Burret	Costa Rica ? (8020)	?	?	8020	
Scheelea cubensis Burret	Cuba K (9244)	K	K	9244	
Scheelea curvifrons L.H.Bailey	Trinidad/Tobago ? (8020)	?	?	8020	
Scheelea excelsa Karsten	Colombia nt (8020)	nt	nt	8020	
Scheelea goeldiana (Huber) Burret	Brazil ? (8020)	?	?	8020	
Scheelea huebneri Burret	Brazil ? (8020)	?	?	8020	
Scheelea humboldtiana (Spruce) Burret	Colombia ? (8020)	?	?	8020	
Scheelea insignis (Mart.) Karsten	Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020)	?	?	8020	Y
Scheelea lauromulleriana Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Scheelea leandroana Barb. Rodr.	Brazil ? (8020)	?	?	8020	
Scheelea liebmannii Becc.	Mexico ? (8020)	?	?	8020	
Scheelea lundellii H.H.Bartlett	Guatemala ? (8020)	?	?	8020	
Scheelea macrocarpa Karsten	Venezuela ? (8020)	?	?	8020	
Scheelea macrolepis Burret	Venezuela ? (8020)	?	?	8020	
Scheelea magdalenica Dugand	Colombia ? (8020)	?	?	8020	
Scheelea maracaibensis (Mart.) Burret	Venezuela ? (8020)	?	?	8020	
Scheelea martiana Burret	Brazil ? (8020)	?	?	8020	
Scheelea microspadix Burret	Brazil ? (8020)	?	?	8020	
Scheelea osmantha Barb. Rodr.	Trinidad/Tobago ? (8020)	?	?	8020	
Scheelea parviflora (Barb. Rodr.) Barb. Rodr.	Paraguay ? (8020)	?	?	8020	
Scheelea passargei Burret	Venezuela ? (8020)	?	?	8020	
Scheelea phalerata (Mart.) Burret	Brazil ? (8020), Paraguay ? (8020)	?	?	8020	Y
Scheelea preussii Burret	Guatemala ? (8020), Mexico R (8020)	?	?	8020	Y
Scheelea princeps (Mart.) Karsten	Bolivia nt (8020)	nt	nt	8020	Y
	Brazil ? (8020)	?			
Scheelea quadrisperma Barb. Rodr.	Paraguay ? (8020)	?	?	8020	
Scheelea quadrisulcata Barb. Rodr.	Paraguay ? (8020)	?	?	8020	
Scheelea rostrata (Oersted) Burret	Costa Rica V (8020)	V	V	8020	
Scheelea stenorrhyncha Burret	Peru ? (8020)	?	?	8020	
Scheelea tessmannii Burret	Peru ? (8020)	?	?	8020	
Scheelea tetrasticha (Drude) Burret	Brazil ? (8020)	?	?	8020	
Scheelea urbaniana Burret	Trinidad/Tobago (Tobago only) K (8020)	K	K	8020	

See end for explanation of Fields labelled 1 to 4

<u>Plant name</u>	<u>Distribution (Cons. status) (Data-source)</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
PALMAE (Cont.)					
<i>Scheelea wallisii</i> (Huber) Burret	Brazil ? (8020), Peru ? (8020)	?	?	8020	Y
<i>Scheelea weberbaueri</i> Burret	Peru ? (8020)	?	?	8020	
<i>Scheelea zonensis</i> L.H.Bailey	Panama V (8020)	V	V	8020	
<i>Schippia concolor</i> Burret	Belize (Cayo District) ? (8743), Guatemala (lower Peten) ? (8743)	?	?	8020	Y
<i>Serenoa repens</i> (Bartram) Small	U.S. (Carolina to FL Keys & MS) nt (8020)	nt	nt	8020	
<i>Socratea durissima</i> (Dersted) H.Wendl.	Costa Rica V (8020), Nicaragua ? (8020), Panama V (8020), Colombia ? (8020)	?	?	8020	Y
<i>Socratea exorrhiza</i> (Mart.) H.Wendl.	Bolivia V (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Guyana ? (8020), Suriname ? (8020), Venezuela ? (8020)	nt	nt	9996	Y
<i>Socratea hecatonandra</i> (Dugand) R.Bernal	Colombia (west) E (8743), Ecuador ? (9000)	?	?	9996	Y
<i>Socratea macrochlamys</i> Burret	Colombia ? (8020)	?	?	8020	
<i>Socratea montana</i> R.Bernal & A.Henderson	Colombia (Antioquia) ? (10264)	?	?	10264	
<i>Socratea rostrata</i> Burret	Ecuador ? (8020)	?	?	8020	
<i>Socratea salazarii</i> H.E.Moore	Peru (Loreto & Amazonas Depts) R (8743)	R	R	2014	
<i>Syagrus acaulis</i> (Drude) Becc.	Goiás (cerrados) E (8743), Piauí (cerrados) E (8743)	E	E	8020	Y
<i>Syagrus amara</i> (Jacq.f.) Mart.	Dominica R (8767), Guadeloupe R (8767), Martinique R (8767), Montserrat Ex/E (8767), St Lucia I (8767), Trinidad/Tobago K (8767)	R	R	8020	Y
<i>Syagrus botryophora</i> (Mart.) Mart.	Bahia (coastal forest) E/V (8743)	E/V	E/V	8020	
<i>Syagrus campicola</i> (Barb. Rodr.) Becc.	Paraguay E (8020)	E	E	8020	
<i>Syagrus campylospatha</i> (Barb. Rodr.) Becc.	Paraguay ? (8020)	?	?	8020	
<i>Syagrus cardenasii</i> Glassman	Bolivia ? (8020)	?	?	8020	
<i>Syagrus cocooides</i> Mart.	Brazil ? (8020)	?	?	8020	
<i>Syagrus comosa</i> (Mart.) Mart.	Brazil ? (8020)	?	?	8020	
<i>Syagrus coronata</i> (Mart.) Becc.	Brazil nt (8020)	nt	nt	8020	
<i>Syagrus duartei</i> Glassman	Brazil ? (8020)	?	?	8020	
<i>Syagrus flexuosa</i> (Mart.) Becc.	Brazil ? (8020)	?	?	8020	
<i>Syagrus glaucescens</i> Glaziov ex Becc.	Brazil ? (8020)	?	?	8020	
<i>Syagrus graminifolia</i> (Drude) Becc.	Brazil ? (8020)	?	?	8020	
<i>Syagrus harleyi</i> Glassman	Brazil V (8793)	V	V	8793	
<i>Syagrus inajai</i> (Spruce) Becc.	Brazil ? (8020), ? Colombia ? (8020), French Guiana R (8020), Suriname ? (8020)	nt	nt	8020	Y
<i>Syagrus leptospatha</i> Burret	Mato Grosso E (8743)	E	E	8020	
<i>Syagrus lilliputiana</i> (Barb. Rodr.) Becc.	Paraguay E (8020)	E	E	8020	
<i>Syagrus loefgrenii</i> Glassman	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Syagrus macrocarpa</i> Barb. Rodr.	Minas Gerais E (8743), Rio de Janeiro E (8743)	E	E	8020	Y
<i>Syagrus mendanhensis</i> Glassman	Brazil ? (8020)	?	?	8020	
<i>Syagrus microphylla</i> Burret	Brazil R (8020)	R	R	8020	
<i>Syagrus oleracea</i> (Mart.) Becc.	Brazil ? (8020), Paraguay ? (8020)	?	?	8020	Y
<i>Syagrus orinocensis</i> (Spruce) Burret	Colombia ? (8020), Venezuela nt (8020)	nt	nt	8020	Y
<i>Syagrus petraea</i> (Mart.) Becc.	Bolivia ? (8020), Brazil ? (8020)	?	?	8020	Y
<i>Syagrus pleioclada</i> Burret	Brazil ? (8020)	?	?	8020	
<i>Syagrus pseudococos</i> (Raddi) Glassman	Rio de Janeiro E (8743), Sao Paulo E (8743)	E	E	8743	Y
<i>Syagrus romanzoffiana</i> (Cham.) Glassman	Argentina V (8020), Brazil nt (8020), Paraguay ? (8020), Uruguay ? (8020)	nt	nt	8020	Y
<i>Syagrus ruschiana</i> (Bondar) Glassman	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Syagrus sancona</i> Karsten	Colombia E (8793), Ecuador ? (8020), Peru ? (8020), Venezuela V (8020)	?	?	8020	Y
<i>Syagrus schizophylla</i> (Mart.) Glassman	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Syagrus smithii</i> (H.E.Moore) Glassman	Peru (Loreto Province) R (8743)	R	R	8743	
<i>Syagrus stratincola</i> W.Boer	Suriname R (8679)	R	R	8679	
<i>Syagrus vagans</i> (Bondar) A.D.Hawkes	Brazil ? (8020)	?	?	8020	
<i>Syagrus werdermannii</i> Burret	Brazil V (8020)	V	V	8020	
<i>Synechanthus fibrosus</i> (H.Wendl.) H.Wendl.	Belize ? (8020), Costa Rica Ex/E (8020), Guatemala ? (8020), Honduras ? (8020), Mexico E (8020)	?	?	8020	Y
<i>Synechanthus warscewiczianus</i> H.Wendl.	Costa Rica ? (8020), Panama ? (8020), Colombia ? (8020), Ecuador ? (8020)	V	V	8020	Y
<i>Thrinax compacta</i> (H.Wendl.) Borhidi & Muniz	Cuba (Santiago de Cuba, Holguin) I (5607)	I	I	9996	
<i>Thrinax ekmaniana</i> (Burret) Borhidi & Muniz	Cuba (Vila Clara) E (5607)	E	E	9996	
<i>Thrinax excelsa</i> Lodd. ex Griseb.	Jamaica nt (8765)	nt	nt	8765	

See end for explanation of Fields labelled 1 to 4

Plant name	Distribution (Cons. status) (Data-source)	1	2	3	4
PALMAE (Cont.)					
<i>Thrinax morrisii</i> H.Wendl.	Antigua/Barbuda (only Barbuda) ? (8765), Bahamas ? (8766), Cuba (PR; 1P; CA; C; H) ? (9774), Dominican Rep. nt (8743), Navassa I. ? (8765), Puerto Rico ? (8765), St Kitts-Nevis (only Anguilla) ? (8765), Florida nt (8765), Turks & Caicos ? (8766)	nt	nt	8765	?
<i>Thrinax parviflora</i> Swartz ssp. <i>parviflora</i>	Jamaica nt (8765)	nt	nt	8765	
<i>Thrinax parviflora</i> Swartz ssp. <i>puberula</i> R.W.Read	Jamaica nt (8765)	nt	nt	8765	
<i>Thrinax radiata</i> Lodd. ex J.A. & J.H.Schultes	Bahamas ? (8766), Cuba (throughout) nt (9774), Dominican Rep. nt (8743), Haiti ? (8765), Jamaica ? (8765) Florida ? (8765) Belize ? (8765), Honduras ? (8765), Mexico (Yucatan & Quintana Roo) V (9997) Cuba (Guantanamo; Holguin) V (9774)	nt	nt	8765	Y
<i>Thrinax rivularis</i> (Leon) Borhidi & Muniz var. <i>rivularis</i>	Cuba (Guantanamo; Holguin) V (9774)	V	V	9996	
<i>Thrinax rivularis</i> (Leon) Borhidi & Muniz var. <i>savannarum</i> (Leon) Borhidi & Muniz	Cuba (Guantanamo; Holguin) V (9774)	V	V	9996	
<i>Trithrinax acanthocoma</i> Drude	Brazil (Atlantic forest) ? (8743)	?	?	8020	
<i>Trithrinax biflabellata</i> Barb. Rodr.	Argentina E (8772), Paraguay ? (8020)	?	?	8020	Y
<i>Trithrinax brasiliensis</i> Mart.	Argentina (Entre Rios Province) E (8743), Rio Grande (S) K (8743)	K	K	8020	Y
<i>Trithrinax campestris</i> (Burmeister) Drude & Griseb.	Argentina V (8020), Uruguay ? (8020)	?	?	8020	Y
<i>Trithrinax schizophylla</i> Drude	Bolivia ? (8020), Brazil ? (8020)	?	?	8020	Y
<i>Washingtonia filifera</i> (L.Linden) H.Wendl.	U.S. R (8020), Mexico R (8020)	R	R	8020	Y
<i>Washingtonia rubusta</i> H.Wendl.	Mexico ? (8020)	?	?	8020	
<i>Welfia georgii</i> H.Wendl. ex Burret	Costa Rica ? (8020), Honduras ? (8020), Panama ? (8020), Colombia ? (8020), Ecuador ? (9000)	?	?	8020	Y
<i>Welfia regia</i> H.Wendl. ex Andre	Colombia ? (8020)	?	?	8020	
<i>Wendlandiella gracilis</i> Dammer	Peru ? (8020)	?	?	8020	
<i>Wendlandiella polyclada</i> Burret	Peru ? (8020)	?	?	8020	
<i>Wendlandiella simplicifrons</i> Burret	Peru ? (8020)	?	?	8020	
<i>Wettinia augusta</i> Poeppig & Endl.	Peru V (8020)	V	V	8020	
<i>Wettinia castanea</i> H.E.Moore & Dransfield	Colombia (Choco) E (8743)	E	E	8793	
<i>Wettinia cladospadix</i> (Dug.) H.E.Moore & Dransfield	Colombia (Valle) V (8020), Ecuador ? (9000)	?	?	9996	Y
<i>Wettinia fascicularis</i> (Burr.) H.E.Moore & Dransfield	Colombia V (8020)	V	V	9996	
<i>Wettinia hirsuta</i> Burret	Panama ? (8020), Colombia ? (8020)	V	V	8020	Y
<i>Wettinia longipetala</i> A.Gentry	Peru (Pasco) ? (8801)	?	?	8801	
<i>Wettinia maynensis</i> Spruce	Colombia ? (8020), Ecuador ? (8020), Peru I (8020)	?	?	8020	Y
<i>Wettinia oxycarpa</i> Galeano & R.Bernal	Colombia (Choco) V (8903), Ecuador ? (9000)	?	?	8903	Y
<i>Wettinia quinarua</i> (O.F.Cook & Doyle) Burret	Colombia V (8020), Ecuador ? (8020)	?	?	8020	Y
<i>Wettinia verruculosa</i> H.E.Moore	Ecuador ? (9213)	?	?	9213	
<i>Wettinia weberbaueri</i> Burret	Peru ? (8020)	?	?	8020	
<i>Zombia antillarum</i> (Descourt.) L.H.Bailey	Dominican Rep. I (2014), Haiti ? (2014)	?	?	2014	Y

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EXPLANATION OF FIELDS LABELLED 1 TO 4

1. Regional IUCN Red Data Book category for the degree of threat. Ex: Extinct; E: Endangered; V: Vulnerable; R: Rare; I: Indeterminate; K: Insufficiently known; C: Candidate; ?: no data; nt: neither rare nor threatened.
2. World IUCN Red Data Book category for the degree of threat. Ex: Extinct; E: Endangered; V: Vulnerable; R: Rare; I: Indeterminate; K: Insufficiently known; C: Candidate; ?: no data; nt: neither rare nor threatened.
3. Data source for Plant Name - see preceding list.
4. Distribution completeness code. Y: Distribution complete; N: Distribution incomplete; ?: Not known whether distribution complete; Space: Taxon confined to one CMC area.

NUMBERS OF NEW WORLD PALM TAXA ARRANGED BY COUNTRY

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<u>AREA NAME</u>	Ex	Ex/E	E	E/V	V	V/R	R	E/R	I	C	K	?	V/nt	R/nt	nt	O	Threat'd	Total
<u>CARIBBEAN</u>																		
Antigua/Barbuda	ne														3			3
Bahamas	ne						1								7		1	8
Barbados	e						1										1	1
	ne														3			3
Bermuda	e		1														1	1
Cayman Is.	e											1						1
Cuba	e		6		3		16		7		14				37		32	83
	ne														6			6
Dominica	ne						1		1						10		2	12
Dominican Rep.	e		1				1								1		2	3
	ne				1				3				3		8		4	15
Grenada	e						1										1	1
	ne														3			3
Guadeloupe	ne						1								8		1	9
Haiti	e		2		1		1						3				4	7
	ne								3				3		7		3	13
Hispaniola	e										1							1
Jamaica	e						1								9		1	10
	ne														1			1
Martinique	ne						1								8		1	9
Montserrat	ne						1								1		1	2
Navassa I.	ne														2			2
Neth. Leeward I	ne														2			2
Puerto Rico	e						1		1		1				2		2	5
	ne				1										4		1	5
St Kitts-Nevis	ne														3			3
St Lucia	ne						1		1						5		2	7
St Mart & St Bt	ne														1			1
St Vincent	e								1								1	1
	ne														6			6
Trinidad/Tobago	e										1	12						13
	ne						1					6			11		1	18
Turks & Caicos	ne						1								4		1	5
<u>NORTH AMERICA</u>																		
U.S.A.	e														2			2
	ne						1								1		1	2
Alabama	ne				1												1	1
Florida	e		1												1		1	2
	ne				2										5		2	7
Georgia	ne				1												1	1
Mississippi	ne				1												1	1
S. Carolina	ne				1												1	1
Texas	ne														1			1
<u>CENTRAL AMERICA</u>																		
Central America	ne											1						1
Belize	ne				3				6			13			12		9	34
Costa Rica	e		4		16							19					20	39
	ne		1		11				2			18			11		14	43
El Salvador	ne				1							1			3		1	5
Guatemala	e		1		1		1		17			4					20	24
	ne				9				11			16			12		20	48
Honduras	e								2			3					2	5
	ne				4				2			10			10		6	26

Key and explanation: e = endemic, ne = non-endemic (i.e. to the area concerned).
 Plant are recorded for regions, e.g. "Central America", only where individual country distributions are not known.
 Similarly, for Brazil, Mexico & U.S.A., plant records are either at the country level or at the state level, not both.

(These pages are the output of the TPU's PLTCOUNT programme, run on 4 January 1988.)

NUMBERS OF NEW WORLD PALM TAXA ARRANGED BY COUNTRY

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<u>AREA NAME</u> (Cont.)	<u>Ex</u>	<u>Ex/E</u>	<u>E</u>	<u>E/V</u>	<u>V</u>	<u>V/R</u>	<u>R</u>	<u>E/R</u>	<u>I</u>	<u>C</u>	<u>K</u>	<u>?</u>	<u>V/nt</u>	<u>R/nt</u>	<u>nt</u>	<u>O</u>	<u>Threat'd</u>	<u>Total</u>
Mexico	e		9		9		3		13		1	9			2		34	46
	ne				3		1		4			9			11		8	28
Guadalupe	e						1										1	1
Guanajuato	e								1								1	1
Nuevo Leon	e		1														1	1
Oaxaca	ne				1												1	1
Quintana Roo	ne				2												2	2
S Luis Potosi	ne				1												1	1
Tabasco	ne		1														1	1
Veracruz	e		1						2								3	3
	ne								1								3	3
Yucatan	ne		1		2												3	3
Nicaragua	e											5						5
	ne				4				1			12			6		5	23
Panama	e				1				23			9					24	33
	ne		1		13				2			21			11		16	48
<u>SOUTH AMERICA</u>																		
South America	ne														2			2
Argentina	ne				1						1	2			6		1	10
Bolivia	e		1		1							19					2	21
	ne								2			13			12		2	27
Brazil	e				7		2		1			197			5		10	212
	ne		1		2				4		1	81			47		7	136
Bahia	e		1	1			1								1		3	4
Es. Santo	ne		1														1	1
Goias	ne		1														1	1
Mato Grosso	e		1														1	1
Minas Gerais	ne		1														1	1
Piaui	ne		1														1	1
Rio de Jan.	e		1														1	1
	ne		3														3	3
Rio Grande S	ne										1							1
Sao Paulo	e		1														1	1
	ne		1														1	1
Chile	e				1												1	1
J Fernandez	e						1										1	1
Colombia	e		5	1	3				2			103			2		11	116
	ne				9				1		1	84			38		10	133
Ecuador	e				1							23					1	24
	ne				3							47			23		3	73
French Guiana	e						1										1	1
	ne											8			23			31
Guyana	e											3						3
	ne				1				1			14			26		2	42
Paraguay	e		2									9					2	11
	ne											6			5			11
Peru	e	1	5		2		3		8			28			1		19	48
	ne		1						1			55			21		2	78
Suriname	e						2										2	2
	ne				1							23			32		1	56
Uruguay	ne											1			3			4
Venezuela	e				3		10					19			8		13	40
	ne				1				2			32			31		3	66

<u>TOTALS</u>	<u>ENDEMICS</u>	<u>NON-ENDEMICS</u>	<u>TOTALS</u>
Extinct/Endangered (Ex/E)	1		1
Endangered (E)	44	7	51
Endangered/Vulnerable (E/V)	2		2
Vulnerable (V)	49	27	76
Rare (R)	47	3	50
Indeterminate (I)	78	20	98
Insufficiently known (K)	18	2	20
Status unassigned (?)	466	177	643
Not threatened (nt)	71	90	161
<u>TOTAL THREATENED</u>	221	57	278
<u>GRAND TOTAL</u>	776	326	1102

APPENDIX I

NATURAL HYBRIDIZATION IN NEOTROPICAL PALMS

Michael J. Balick

There is often a great deal of variation to be found among individuals in native palm populations. These morphological differences are often a reflection of the natural variation that is produced by environmental conditions or even true genetic variation. Sometimes, in a population comprising several related species (or even genera) of palms, variation that is beyond what is usually expected can be found. When the variation reveals a series of characters intermediate in nature between other members of the population, then hybridization can be suspected. Hybrids have been recognized only over the past few decades, as botanists have turned to field studies as an essential part of palm taxonomy, rather than relying solely on herbarium material. Table 1 is a list of natural hybrids described to date. In addition to these hybrids, this author is currently describing several other hybrids, as outlined in Table 2.

TABLE 1

NATURAL PALM HYBRIDS IN THE NEOTROPICS

Bactris hybrids

Bactris x *moorei* W.Boer
(*Bactris oligoclada* x *B. humilis*)*

Copernicia hybrids

Copernicia x *burretiana* (Leon) Muniz & Borh.
(*Copernicia hospita* x *C. macroglossa*)

Copernicia x *occidentalis* (Leon) Muniz & Borh.
(*Copernicia curtissii* x *C. brittonorum*)

Copernicia x *shaferi* Dahlgr. & Glass.
(*Copernicia hospita* x *C. cowellii*)

Copernicia x *sueroana* Leon
(*Copernicia hospita* x *C. rigida*)

Copernicia x *textilis* (Leon) Dahlgr. & Glass.
(*Copernicia hospita* x *C. baileyana*)

Copernicia x *vespertilionum* Leon
(*Copernicia gigas* x *C. rigida*)

Syagrus hybrids

Syagrus x *camposportoana* (Bond.) Glass.
(*Syagrus coronata* x *Arecastrum romanzoffianum*)

* Taxa in parentheses represent parent species

Syagrus x costae Glass.
(*Syagrus coronata* x *S. oleracea*)

Syagrus x matafome (Bond.) Glass.
(*Syagrus coronata* x *S. vagans*)

Syagrus x teixeiriana Glass.
(*Syagrus oleracea* x *Arecastrum romanzoffianum*)

Syagrus x tostana (Bond.) Glass.
(*Syagrus coronata* x *Arikuryroba schizophylla*)

Orbignya and *Attalea* hybrids

Orbignya x teixeirana (Bond.) Balick, Pinheiro & Anderson
(*Orbignya phalerata* x *O. eichleri*)

Attabignya minarum Balick, Anderson & Medeiros-Costa
(*Attalea compta* x *Orbignya oleifera*)

TABLE TWO

NEOTROPICAL PALM HYBRIDS CURRENTLY UNDER STUDY/DESCRIPTION

Oenocarpus - *Jessenia* complex

Jessenia bataua x *Oenocarpus bacaba*

Oenocarpus bacaba x *O. minor*

Orbignya and *Maximiliana*

x *Markleya dahlgreniana*
(*Orbignya phalerata* x *Maximiliana maripa*)

Knowledge of hybridization in palms is important for several reasons. A thorough understanding of the taxonomy of a genus such as *Attalea* (sensu lato) would be impossible without recognizing the presence of natural hybridization. The fact that natural hybridization occurs freely between *Attalea*, *Orbignya* and *Maximiliana*, with resultant fertile offspring gives some weight to the uniting of these genera with *Attalea*. Since hybrid progeny can develop into distinct species over time, it must be recognized that these are distinct taxa worthy of conservation efforts. While some lines such as *Jessenia bataua* x *Oenocarpus bacaba* produce sterile offspring and, as such represent evolutionary dead ends, others such as x *Attabignya minarum* seem to be fully capable of forming massive, reproducing populations. In the case of palms, much greater emphasis needs to be put on field studies of naturally occurring as well as disturbed populations in the wild in order to fully recognize the importance of hybridization in this family.

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